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Client: SHENZHEN EN PLUS TECH CO., LTD.

Contact Information: 3 Plants 1-6 Floors, 6 Plants 201 、 301, Nangang No.2 Industrial Park,
No. 1026 Songbai Road, Yangguang Community, Xili Street, Nanshan
District, Shenzhen, Guangdong, P.R.China

Test item(s): 337 materials

**Identification/
Model No(s):** EV AC Charger
AC7000-AE-45C3-ENP, AC7000-BE-45C3-ENP, AC7000-TE-45C3-
ENP, AC7000-AB-45C3-ENP, AC7000-BB-45C3-ENP, AC011K-
AE-55C3-ENP, AC7000-AE-45C1-ENP

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2025-09-11

Testing Period: 2025-09-17 to 2025-10-09

Place of testing: Chemical laboratory Shenzhen

Test Specification:

1. Organotin compounds content according to REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 20 and amendments
2. Selected Perfluorinated carboxylic acids (C9-C14 PFCAs) and related substances
3. Polycyclic aromatic hydrocarbons (PAHs) - REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013
4. Risk Assessment of Articles: Screening of substances of very high concern (SVHC) subject to the candidate list by European Chemical Agency (ECHA) according to Regulation (EC) No 1907/2006 and its amendments

Test result:

PASS

PASS

PASS

SVHC concentration(s) > 0.1%

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



2025-11-19

Grid Guo / Engineer

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Material List:

Item: EV AC Charger

AC7000-AE-45C3-ENP, AC7000-BE-45C3-ENP, AC7000-TE-45C3-ENP, AC7000-AB-45C3-ENP, AC7000-BB-45C3-ENP, AC011K-AE-55C3-ENP, AC7000-AE-45C1-ENP

Material No.	Material	Color	Location
A004	Plastic	black	Refer to photo
A005	Plastic	grey	Refer to photo
A006	Plastic	black	Refer to photo
A007	Plastic	black	Refer to photo
A008	Plastic + printing + adhesive	black/ white	Refer to photo
A009	Plastic	black	Refer to photo
A010	Plastic	black	Refer to photo
A011	Plastic	black	Refer to photo
A012	Plastic	transparent	Refer to photo
A013	Plastic	white	Refer to photo
A014	Plastic	transparent	Refer to photo
A015	Metal + plating	black	Refer to photo
A016	Electronic components	grey	Refer to photo
A017	Electronic components	black	Refer to photo
A018	Electronic components	black	Refer to photo
A019	Electronic components	black	Refer to photo
A020	Plastic	white	Refer to photo
A021	Plastic	black	Refer to photo
A022	Plastic	black	Refer to photo
A023	Plastic	white	Refer to photo
A024	Wire (with core)	white/ red/ silver	Refer to photo
A024a	Plastic + printing	white/ red	Refer to photo
A025	PCB board	green	Refer to photo
A026	Electronic components	brown	Refer to photo
A027	Electronic components	white	Refer to photo
A028	Metal	golden	Refer to photo
A029	Metal	golden	Refer to photo

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A030	Metal	silver	Refer to photo
A031	Plastic + adhesive	black	Refer to photo
A032	Metal	silver	Refer to photo
A033	Metal	silver	Refer to photo
A034	Metal	silver	Refer to photo
A035	Metal	silver	Refer to photo
A036	Metal	silver	Refer to photo
A037	Metal	silver	Refer to photo
A038	Plastic	white	Refer to photo
A039	PCB board	green	Refer to photo
A040	Plastic	light green	Refer to photo
A041	Plastic	black	Refer to photo
A042	Electronic components	black	Refer to photo
A043	Electronic components	black	Refer to photo
A044	Electronic components	black	Refer to photo
A045	Electronic components	black	Refer to photo
A046	Electronic components	brown	Refer to photo
A047	Electronic components	black	Refer to photo
A048	Electronic components	black	Refer to photo
A049	Metal	silver	Refer to photo
A050	Metal	silver	Refer to photo
A051	Plastic	beige	Refer to photo
A052	Metal	silver	Refer to photo
A053	Electronic components	black	Refer to photo
A054	Electronic components	black	Refer to photo
A055	Electronic components	black	Refer to photo
A056	Electronic components	black	Refer to photo
A057	Electronic components	black	Refer to photo
A058	Metal	golden	Refer to photo
A059	PCB board	black	Refer to photo
A060	Solder	silver	Refer to photo
A061	Metal	silver	Refer to photo

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A062	Plastic	black	Refer to photo
A063	PCB board	green	Refer to photo
A064	Plastic	black	Refer to photo
A065	Metal	silver	Refer to photo
A066	Wire (with core)	black/ silver	Refer to photo
A066a	Plastic	black	Refer to photo
A070	Glue	black	Refer to photo
A071	Wire (with core)	red/ silver	Refer to photo
A071a	Plastic	red	Refer to photo
A072	Wire (with core)	black/ silver	Refer to photo
A072a	Plastic	black	Refer to photo
A073	Wire (with core)	yellow/ silver	Refer to photo
A073a	Plastic	yellow	Refer to photo
A074	Wire (with core)	blue/ silver	Refer to photo
A074a	Plastic	blue	Refer to photo
A075	PCB board	light green	Refer to photo
A076	Electronic components	blue	Refer to photo
A077	Electronic components	light green	Refer to photo
A078	Electronic components	black	Refer to photo
A079	Electronic components	black	Refer to photo
A080	Electronic components	brown	Refer to photo
A081	Plastic	black	Refer to photo
A083	Metal	silver	Refer to photo
A084	Plastic	black	Refer to photo
A085	Plastic + printing	black/ grey	Refer to photo
A086	Metal	silver	Refer to photo
A087	Paper	white	Refer to photo
A088	Plastic	black	Refer to photo
A089	Metal	silver	Refer to photo
A090	Electronic components	black	Refer to photo
A091	Electronic components	black	Refer to photo
A092	Electronic components	black	Refer to photo

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A093	Electronic components	black	Refer to photo
A094	Electronic components	black	Refer to photo
A095	Electronic components	black	Refer to photo
A096	Electronic components	black	Refer to photo
A097	Plastic	white	Refer to photo
A098	Electronic components	black	Refer to photo
A099	Electronic components	black	Refer to photo
A100	Plastic + printing + adhesive	yellow/ black	Refer to photo
A101	Plastic	white	Refer to photo
A102	Magnet	grey	Refer to photo
A103	Metal	silver	Refer to photo
A104	Electronic components	black	Refer to photo
A105	Electronic components	black	Refer to photo
A106	Plastic	grey	Refer to photo
A107	Plastic	black	Refer to photo
A108	Metal	copper	Refer to photo
A109	Plastic	red	Refer to photo
A110	Electronic components	yellow	Refer to photo
A111	Electronic components	black	Refer to photo
A112	Electronic components	black	Refer to photo
A113	Electronic components	black	Refer to photo
A114	Electronic components	black	Refer to photo
A115	Electronic components	black	Refer to photo
A116	Electronic components	black	Refer to photo
A117	Electronic components	black	Refer to photo
A118	Electronic components	black	Refer to photo
A119	Electronic components	black	Refer to photo
A121	Plastic	black	Refer to photo
A123	Wire (with core)	blue/ copper	Refer to photo
A123a	Plastic	blue	Refer to photo
A124	Wire (with core)	brown/ copper	Refer to photo
A124a	Plastic	brown	Refer to photo

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A124b	Metal	copper	Refer to photo
A125	Wire (with core)	yellow-green/ copper	Refer to photo
A126	Wire (with core)	pink/ silver	Refer to photo
A127	Wire (with core)	light red/ silver	Refer to photo
A128	Metal	silver	Refer to photo
A129	Plastic + printing	black/ beige	Refer to photo
A130	Plastic	black	Refer to photo
A131	Metal	silver	Refer to photo
A132	Metal	silver	Refer to photo
A133	Metal	silver	Refer to photo
A134	Metal	golden	Refer to photo
A135	Plastic	black	Refer to photo
A136	Plastic	dark red	Refer to photo
A137	Plastic	red	Refer to photo
A138	Metal	silver	Refer to photo
A139	Plastic + adhesive	yellow	Refer to photo
A140	Plastic	black	Refer to photo
A141	Plastic	black	Refer to photo
A142	Plastic	white	Refer to photo
A143	Plastic	transparent	Refer to photo
A144	Metal	silver	Refer to photo
A145	Metal	silver	Refer to photo
A146	Paper + printing + adhesive	white/ black	Refer to photo
A147	Plastic + coating	black	Refer to photo
A147a	Coating	black	Refer to photo
A148	Plastic	black	Refer to photo
A149	PCB board	green	Refer to photo
A150	Plastic	black	Refer to photo
A151	Plastic	black	Refer to photo
A152	Electronic components	black	Refer to photo
A153	Electronic components	black	Refer to photo
A154	Electronic components	black	Refer to photo

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A155	Electronic components	black	Refer to photo
A156	Electronic components	black	Refer to photo
A157	Electronic components	black	Refer to photo
A158	Electronic components	black	Refer to photo
A159	Electronic components	black	Refer to photo
A160	Electronic components	black	Refer to photo
A161	Electronic components	black	Refer to photo
A162	Electronic components	black	Refer to photo
A163	Electronic components	black	Refer to photo
A164	Electronic components	black	Refer to photo
A165	Electronic components	black	Refer to photo
A166	Solder	silver	Refer to photo
A167	PCB board	green	Refer to photo
A168	Materials intended to leave a trace	silver	Refer to photo
A169	Electronic components	black	Refer to photo
A170	Electronic components	black	Refer to photo
A171	Electronic components	black	Refer to photo
A172	Electronic components	black	Refer to photo
A173	Plastic	black	Refer to photo
A174	Plastic	white	Refer to photo
A175	Metal	silver	Refer to photo
A176	Plastic	grey	Refer to photo
A177	Electronic components	black	Refer to photo
A178	Electronic components	black	Refer to photo
A179	Electronic components	black	Refer to photo
A180	Electronic components	black	Refer to photo
A181	Metal	silver	Refer to photo
A182	Solder	silver	Refer to photo
A183	Electronic components	black	Refer to photo
A184	Electronic components	black	Refer to photo
A185	Electronic components	black	Refer to photo
A186	Electronic components	black	Refer to photo

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A187	Electronic components	black	Refer to photo
A188	Electronic components	black	Refer to photo
A189	Electronic components	black	Refer to photo
A190	Electronic components	black	Refer to photo
A191	PCB board	blue	Refer to photo
A192	Metal	silver	Refer to photo
A193	Metal	silver	Refer to photo
A194	Plastic + plating	black	Refer to photo
A195	Plastic	blue	Refer to photo
A196	Plastic	black	Refer to photo
A197	Plastic	black	Refer to photo
A198	Metal	silver	Refer to photo
A199	Wire (with core)	black/ silver	Refer to photo
A200	Wire (with core)	blue/ silver	Refer to photo
A201	Metal	silver	Refer to photo
A202	Metal	silver	Refer to photo
A203	Metal	silver	Refer to photo
A204	Metal	golden	Refer to photo
A206	Plastic	red	Refer to photo
A207	Wire (with core)	red/ silver	Refer to photo
A208	Wire (with core)	red	Refer to photo
A209	Wire (with core)	grey/ silver	Refer to photo
A210	Wire (with core)	black/ silver	Refer to photo
A211	Wire (with core)	brown/ silver	Refer to photo
A212	Wire (with core)	blue/ silver	Refer to photo
A213	Wire (with core)	yellow/ silver	Refer to photo
A215	Plastic	red	Refer to photo
A216	Plastic	grey	Refer to photo
A217	Plastic	black	Refer to photo
A218	Plastic	brown	Refer to photo
A219	Plastic	blue	Refer to photo
A220	Plastic	yellow	Refer to photo

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A221	Plastic	red	Refer to photo
A222	Metal	silver	Refer to photo
A223	PCB board	dark green	Refer to photo
A224	Electronic components	black	Refer to photo
A225	Plastic	red	Refer to photo
A226	Plastic	blue	Refer to photo
A227	Plastic	yellow	Refer to photo
A228	Metal + plating	silver/ black	Refer to photo
A229	Metal	silver	Refer to photo
A230	Plastic	yellow	Refer to photo
A231	Plastic	white	Refer to photo
A232	Plastic	grey	Refer to photo
A233	Plastic	orange	Refer to photo
A234	Plastic + printing	multi color	Refer to photo
A235	Plastic + coating	black/ transparent/ silver	Refer to photo
A235a	Coating	transparent/ silver	Refer to photo
A236a	Plastic	black	Refer to photo
A237	Plastic + printing + adhesive	black/ white	Refer to photo
A238	Plastic	black	Refer to photo
A239	Plastic	brown	Refer to photo
A240	Plastic	blue	Refer to photo
A241	Plastic	green/ yellow	Refer to photo
A242	Plastic	red	Refer to photo
A243	Wire (with core)	brown/ copper	Refer to photo
A244	Wire (with core)	blue/ copper	Refer to photo
A245	Wire (with core)	green/ yellow/ copper	Refer to photo
A246	Wire (with core)	pink/ copper	Refer to photo
A247	Plastic	white	Refer to photo
A248	Plastic	black	Refer to photo
A249	Plastic	white	Refer to photo
A250	Plastic	black	Refer to photo
A251	Plastic	black	Refer to photo

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A252	Plastic	black	Refer to photo
A253	Plastic	black	Refer to photo
A254	Plastic + adhesive	black	Refer to photo
A255	Plastic + adhesive	black/ white	Refer to photo
A256	Metal	silver	Refer to photo
A257	Metal	silver	Refer to photo
A258	Plastic	black	Refer to photo
A259	Electronic components	multicolor	Refer to photo
A261	Plastic	transparent	Refer to photo
A262	Foam + adhesive	black	Refer to photo
A263	Metal	silver	Refer to photo
A264	Metal	silver	Refer to photo
A265	Metal	silver	Refer to photo
A266	Plastic	black	Refer to photo
A267	Plastic	green	Refer to photo
A268	Plastic	yellow	Refer to photo
A269	Electronic components	black	Refer to photo
A270	Electronic components	black	Refer to photo
A271	Electronic components	black	Refer to photo
A272	Electronic components	black	Refer to photo
A273	Electronic components	black	Refer to photo
A274	Electronic components	black	Refer to photo
A275	Metal	golden	Refer to photo
A276	Plastic	grey	Refer to photo
A277	Plastic	black	Refer to photo
A279	Textile	black	Refer to photo
A280	Plastic	dark grey	Refer to photo
A281	Plastic	black	Refer to photo
A282	Plastic	black	Refer to photo
A283	Metal	silver	Refer to photo
A284	Metal	silver	Refer to photo
A285	Plastic	black	Refer to photo

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A287	Plastic + printing + adhesive	white/ black	Refer to photo
A288	Plastic + adhesive	transparent	Refer to photo
A299	Plastic + coating	black/ silver	Refer to photo
A299a	Plastic	black	Refer to photo
A299b	Coating	silver/ black	Refer to photo
A300	Plastic	black	Refer to photo
A301	Plastic	black	Refer to photo
A302	Plastic	black	Refer to photo
A303	Metal	silver	Refer to photo
A304	Metal	silver	Refer to photo
A305	Plastic	black	Refer to photo
A306	Foam + adhesive	grey	Refer to photo
A307	Paper + adhesive	white/ black	Refer to photo
A308	Plastic	dark grey	Refer to photo
A309	Metal	silver	Refer to photo
A310	Plastic	transparent	Refer to photo
A311	Metal	copper	Refer to photo
A312	Metal	silver	Refer to photo
A313	Metal	silver	Refer to photo
A314	Metal	copper	Refer to photo
A315	Plastic	black	Refer to photo
A316	Wire (with core)	blue/ silver	Refer to photo
A317	Wire (with core)	pink/ silver	Refer to photo
A318	Wire (with core)	white/ silver	Refer to photo
A319	Wire (with core)	blue/ silver	Refer to photo
A320	Wire (with core)	blue/ copper	Refer to photo
A321	Wire (with core)	light green/ yellow/ copper	Refer to photo
A322	Wire (with core)	brown/ copper	Refer to photo
A323	Plastic	pink	Refer to photo
A324	Plastic	white	Refer to photo
A325	Plastic	dark blue	Refer to photo
A326	Plastic	black	Refer to photo

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A327	Plastic	light blue	Refer to photo
A328	Plastic	green/ yellow	Refer to photo
A329	Plastic	brown	Refer to photo
A330	Plastic	black	Refer to photo
A331	Plastic	white	Refer to photo
A332	Metal	silver	Refer to photo
A333	Plastic	blue	Refer to photo
A334	Plastic	black	Refer to photo
A335	Electronic components	black	Refer to photo
A336	Electronic components	black	Refer to photo
A337	Electronic components	black	Refer to photo
A338	Electronic components	black	Refer to photo
A339	Electronic components	black	Refer to photo
A340	Electronic components	black	Refer to photo
A341	Electronic components	black	Refer to photo
A342	Electronic components	black	Refer to photo
A343	Electronic components	black	Refer to photo
A344	Electronic components	black	Refer to photo
A345	Electronic components	black	Refer to photo
A347	Plastic	brown	Refer to photo
A348	Metal	silver	Refer to photo
A125a	Plastic	yellow-green	Refer to photo

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1.Organotin compounds content

 Test Method: Organic solvent extraction, GCMS
 Ref. to ISO 16179:2025

Test No.				T001	T002	T003
Material No.				A004 + A005 + A006	A007 + A008 + A009	A010 + A011 + A012
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

Test No.				T004	T005	T006
Material No.				A013 + A024a + A066a	A071a + A072a + A073a	A074a + A123a + A124a
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

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Test No.				T007	T008	T009
Material No.				A125a + A129 + A130	A140 + A143 + A141	A148
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

Test No.				T010	T011	T012
Material No.				A230 + A234	A223 + A191 + A167	A215 + A216
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

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Test No.				T013	T014	T015
Material No.				A218 + A219 + A220	A237	A238 + A251
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

Test No.				T016	T017	T018
Material No.				A250 + A252	A262	A261 + A253
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

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Test No.				T019	T020	T021
Material No.				A279	A281 + A282	A299b
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

Test No.				T022	T023	T024
Material No.				A299a + A300 + A305	A310 + A315	A327 + A328 + A329
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL	< RL	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL	< RL	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL	< RL	< RL

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Test No.				T025
Material No.				A323 + A324 + A325
Test Parameter	Unit	RL	Regulatory Requirement	Result
TBT(Tributyltin) by weight of tin	%	0.01	--	< RL
TPT(Triphenyltin) by weight of tin	%	0.01	--	< RL
TOT(Trioctyltin) by weight of tin	%	0.01	--	< RL
TCyT(Tricyclohexyltin) by weight of tin	%	0.01	--	< RL
TPrT(Tripopyltin) by weight of tin	%	0.01	--	< RL
Sum of Tin of tri-substituted organotins	%	NA	0.1	< RL
DBT(Dibutyltin) by weight of tin	%	0.01	0.1	< RL
DOT(Dioctyltin) by weight of tin	%	0.01	0.1	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 % = percentage
 NA = Not Applicable

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Remark:

- * Single components with an amount of <0.01% were not considered in the calculation of the sum. In the case of all five tri-substituted organotins were not detected, the result is stated < RL
- ** The assessment for tri-substituted organotins is based on the sum of TBT, TPT, TOT, TCyT and TPrT by weight of tin only.
- *** According to REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 20 and amendment Commission Regulation (EU) No. 276/2010 (formerly known as 2009/425/EC), organostannic compounds shall not be used or be placed on the market:

Type of organostannic compounds	Maximum Permissible Limit
Tri-substituted organostannic compounds, e.g. tributyltin (TBT) compounds and triphenyltin (TPT) compounds	0.1 % by weight of tin
Dibutyltin (DBT) compounds in mixtures and articles for supply to the general public	0.1 % by weight of tin
Dioctyltin (DOT) compounds - textile articles intended to come into contact with the skin, - gloves, - footwear or part of footwear intended to come into contact with the skin, - wall and floor coverings - childcare articles, - female hygiene products, - nappies, - two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 % by weight of tin

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2. Selected Perfluorinated carboxylic acids (C9-C14 PFCAs) and related substances

Test Method: In house method, determination by CI-GCMS, GC-MSMS and LC-MSMS

Test No.					T001	T002
Material No.					A005 + A006 + A007	A008 + A012 + A013
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T003	T004
Material No.					A025 + A039 + A059	A129 + A130 + A136
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecyldichloromethylsilane (C8 -PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T005	T006
Material No.					A135 + A140 + A141	A143 + A137 + A121
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecyldichloromethylsilane (C8 -PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T007	T008
Material No.					A147a	A148
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCA	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8 -PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T009	T010
Material No.					A230 + A234	A191
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T011	T012
Material No.					A236a	A238 + A251
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T013	T014
Material No.					A250 + A252	A262
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T015	T016
Material No.					A261 + A253	A279
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecyldichloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T017	T018
Material No.					A281 + A282	A299a + A300 + A305
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecyldichloromethylsilane (C8 -PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T019	T020
Material No.					A310 + A315	A005
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCAs	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FTI)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

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Test No.					T021	T022
Material No.					A006	A007
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result
Perfluorononan-1-oic acid (PFNA)	375-95-1	mg/kg	0.01	-	< RL	< RL
Perfluorodecanoic acid (PFDA)	335-76-2	mg/kg	0.01	-	< RL	< RL
Perfluoroundecanoic acid (PFUnA)	2058-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorododecanoic acid (PFDoA)	307-55-1	mg/kg	0.01	-	< RL	< RL
Perfluorotridecanoic acid (PFTrA)	72629-94-8	mg/kg	0.01	-	< RL	< RL
Perfluorotetradecanoic acid (PFTeA)	376-06-7	mg/kg	0.01	-	< RL	< RL
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	mg/kg	0.01	-	< RL	< RL
Sum of C9-C14 PFCA	--	mg/kg	--	0.025	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	0.25	-	< RL	< RL
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	mg/kg	0.25	-	< RL	< RL
Perfluorodecanesulfonate (PFDS)	335-77-3	mg/kg	0.01	-	< RL	< RL
2H,2H,3H,3H-Perfluoroundecanoic acid (H4PFUnA)	34598-33-9	mg/kg	0.01	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2-FTSA)	39108-34-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	mg/kg	0.1	-	< RL	< RL
1H, 1H, 2H, 2H-Perfluorodecylchloromethylsilane (C8-PFSi)	3102-79-2	mg/kg	0.1	-	< RL	< RL
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2-FTA)	27905-45-9	mg/kg	0.1	-	< RL	< RL
Perfluorooctylethyl Methacrylate (8:2-FTMAC)	1996-88-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Heptadecafluoro-1-iododecane (8:2-FIT)	2043-53-0	mg/kg	0.1	-	< RL	< RL
2-(Perfluorodecyl)ethyl methacrylate (10:2 FTMA)	2144-54-9	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FIT)	2043-54-1	mg/kg	0.1	-	< RL	< RL
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FIT)	30046-31-2	mg/kg	0.1	-	< RL	< RL
Sum of C9-C14 PFCA related substances	--	mg/kg	--	0.26	< RL	< RL
Conclusion	--	--	--	--	Pass	Pass

Abbreviation: < = Less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

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Remark:

- * Requirements according to Annex XVII of Regulation (EC) No 1907/2006 entry 68 (REACH) for perfluorinated carboxylic acids (C9-C14-PFCA) their salts and C9-C14-PFCA related substances amended by Regulation (EU) 2021/1297.
Shall not be used or placed on the market after 25 February 2023:
 - (a) another substance, as a constituent;
 - (b) in a mixture;
 - (c) in an article,
except if the concentration in the substance, the mixture, or the article is below 25 ppb for the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances.

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3. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: Organic solvent extraction, GCMS

Test No.					T001	T002	T003
Material No.					A005 + A006	A008	A129 + A130
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBA _h A)	53-70-3	mg/kg	0.2	1	< RL	< RL	< RL

Test No.					T004	T005	T006
Material No.					A135 + A140	A143 + A141	A147a
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBA _h A)	53-70-3	mg/kg	0.2	1	< RL	< RL	< RL

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Test No.					T008	T009	T010
Material No.					A148	A230 + A234	A235a
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	< RL	< RL	< RL

Test No.					T012	T013	T014
Material No.					A237	A238 + A251	A250 + A252
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	< RL	< RL	< RL

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Test No.					T015	T016	T017
Material No.					A261 + A253	A279	A281 + A282
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	< RL	< RL	< RL

Test No.					T018	T019	T020
Material No.					A299a + A300	A299b	A305 + A301
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	< RL	< RL	< RL

Test No.					T021
Material No.					A306
Test Parameter	CAS NO	Unit	RL	Regulatory Requirement	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	1	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	1	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	1	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	1	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	1	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	1	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	1	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	1	< RL

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Abbreviation: < = less than
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

Remark:

- * Requirement according to REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013, are summarized as below:

Scope	Parameter	Unit	Maximum permissible limit
Articles with direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, made of plastic and rubber shall follow below limit:			
Such articles include amongst others: ---sport equipment such as bicycles, golf clubs, racquets ---household utensils, trolleys, walking frames --- tools for domestic use --- clothing, footwear, gloves and sportswear ---watch-straps, wrist-bands, masks, head-bands	Each of 8 listed PAHs	mg/kg	1
Toys, including activity toys, and childcare articles	Each of 8 listed PAHs	mg/kg	0.5

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4. Screening of Substances of Very High Concern (SVHC) subject to the Candidate List by European Chemical Agency (ECHA) according to Regulation (EC) No 1907/2006 and its amendments.

Obligation of Importer is necessary if the detected SVHC concentration in article level is >0.1%:
 To communicate information down the supply chain according to article. 33 of Regulation(EC) No 1907/2006. OR

1. Notification to ECHA, if the quantities of SVHC in the produced/imported articles are above 1 ton in total per year per company.
2. Provide sufficient information to ensure safe use of the article and, as a minimum, include the name of the substance, to their customers and on request to consumers within 45 days of the receipt of this request.

Test Method: 1) SVOC: organic solvent extraction, determination by GC-MS/ECD
 2) VOC: organic solvent extraction, determination by GC-MS
 3) VVOC: headspace-GC/MS analysis
 4) non-VOC: organic solvent extraction, determination by LC-MS/MS.
 5) inorganics: acid digestion, determination by ICP-OES

Test Result:

Test No.	Material No.	Result (%)
T001	A004 + A005 + A006 + A007 + A008 + A009 + A010	<RL
T002	A011 + A012 + A013 + A014 + A025 + A020 + A021 + A022 + A023 + A031	<RL
T003	A038 + A039 + A040 + A041 + A059 + A062 + A063 + A066 + A075	<RL
T004	A081 + A084 + A085 + A106 + A109 + A101 + A121 + A129 + A130 + A135	<RL
T005	A136 + A137 + A139 + A140 + A141 + A142 + A143 + A146	D5, D6, NP (please refer the separate result below for details); Others:<RL
T005-1	A136	D5:0.0229;D6:0.0498;Others:<RL
T005-2	A137	D5:0.0430;D6:0.0663;Others:<RL
T005-3	A141	D5:0.0499;D6:0.0830;Others:<RL
T005-4	A140 +A139	<RL
T005-5	A142	<RL
T005-6	A143	NP:3.38;Others:<RL
T005-7	A146	<RL
T006	A316 + A317 + A318 + A319 + A320 + A321 + A322 + A334 + A299 + A300	<RL
T007	A024 + A071 + A072 + A073 + A074 + A123 + A124 + A125 + A126 + A127	<RL
T008	A147 + A148 + A149 + A150 + A151 + A167 + A191 + A199 + A200 + A207	<RL
T009	A305 + A306 + A308 + A310 + A315 + A330 + A333 + A347 + A331	<RL
T010	A208 + A209 + A210 + A211 + A212 + A213 + A230 + A231 + A234	<RL
T011	A232 + A233 + A235 + A243 + A244 + A245 + A246 + A250 + A251	<RL

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T014	A252 + A248 + A253 + A261 + A262 + A266 + A276 + A278* + A297* + A282	<RL
T020	A095	Lead element: 1.28; Others< RL
T021	A096	Lead element: 1.43; Others< RL
T022	A099	Lead element: 1.82; Others< RL
T023	A112	Lead element: 1.94; Others< RL
T024	A116	Lead element: 2.39; Others< RL
T025	A118	Lead element: 2.28; Others< RL
T026	A134	Lead element: 2.90; Others< RL
T027	A158	Lead element: 0.909; Others< RL
T028	A159	Lead element: 2.71; Others< RL
T029	A160	Lead element: 0.182; Others< RL
T030	A161	Lead element: 1.70; Others< RL
T031	A164	Lead element: 0.908; Others< RL
T032	A165	Lead element: 1.09; Others< RL
T033	A169	Lead element: 2.03; Others< RL
T034	A177	Lead element: 0.546; Others< RL
T035	A178	Lead element: 2.10; Others< RL
T036	A272	Lead element: 1.12; Others< RL
T037	A275	Lead element: 3.62; Others< RL
T038	A338	Lead element: 0.0720; Others< RL
T039	A344	Lead element: 1.89; Others< RL
T040	A016 + A017 + A018 + A019 + A026 + A027 + A042 + A043 + A044 + A045	< RL
T041	A046 + A047 + A048 + A053 + A054 + A055 + A056 + A057 + A076 + A077	< RL
T042	A078 + A079 + A080 + A090 + A091 + A092 + A093 + A094 + A098 + A104	< RL
T043	A105 + A110 + A111 + A113 + A114 + A115 + A117 + A119 + A152 + A153	< RL
T044	A154 + A155 + A156 + A157 + A162 + A163 + A170 + A171 + A172 + A179	< RL
T045	A180 + A183 + A184 + A185 + A186 + A187 + A188 + A189 + A190 + A224	< RL
T046	A343 + A342 + A341 + A340 + A339	< RL
T047	A015 + A028 + A029 + A030 + A032 + A033 + A034 + A035 + A036 + A037	< RL
T048	A049 + A050 + A052 + A058 + A060 + A061 + A065 + A083 + A086 + A089	< RL
T049	A103 + A102 + A108 + A128 + A131 + A132 + A133 + A138	< RL
T050	A144 + A145 + A166 + A168 + A175 + A181 + A182 + A198 + A192 + A193	< RL
T051	A201 + A202 + A203 + A204 + A222 + A228 + A229 + A256 + A257 + A263	< RL

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T052	A259 + A269 + A270 + A271 + A273 + A274 + A335 + A336 + A337 + A345	< RL
T053	A264 + A265 + A283 + A284 + A303 + A304 + A309 + A311	< RL
T054	A312 + A313 + A314 + A332 + A348	< RL
T055	A051 + A064 + A088 + A097 + A107 + A173 + A174 + A176	< RL
T056	A197 + A206 + A221 + A225	< RL
T057	A226 + A227 + A238 + A239 + A240 + A241 + A242 + A247 + A249 + A258	< RL
T058	A267 + A268 + A277 + A280 + A281 + A285 + A302 + A323	< RL
T060	A087 + A279 + A223 + A070	< RL
T061	A307 + A254 + A255 + A288 + A100 + A237 + A287 + A194	< RL

Abbreviation: n.d. = not detected (<Reporting Limit)
 RL =Reporting Limit
 % =Percentage

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Remark:

(*1) The reporting limit for each individual SVHC in Candidate List by ECHA:

	Substance	CAS No.	Reporting Limit
1	4,4'- Diaminodiphenylmethane (A9)	101-77-9	0.01%
2	Benzyl butyl phthalate (BBP)	85-68-7	0.01%
3	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.01%
4	Dibutyl phthalate (DBP)	84-74-2	0.01%
5	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified : gamma-hexabromocyclododecane beta-hexabromocyclododecane 1,2,5,6,9,10-hexabromocyclododecane Hexabromocyclododecane alpha-hexabromocyclododecane	134237-52-8 / 134237-51-7 / 3194-55-6 / 25637-99-4 / 134237-50-6	0.01%
6	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.01%
7	2,4-Dinitrotoluene (2,4-DNT)	121-14-2	0.01%
8	Diisobutyl phthalate (DIBP)	84-69-5	0.01%
9	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	0.01%
10	Diarsenic pentaoxide (*2)	1303-28-2	0.01%
11	Diarsenic trioxide (*2)	1327-53-3	0.01%
12	Lead chromate (*2)(*3)	7758-97-6	0.01%
13	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (*2)(*3)	12656-85-8	0.01%
14	Lead sulfochromate yellow (C.I. Pigment Yellow 34) (*2)	1344-37-2	0.01%
15	Trichloroethylene	79-01-6	0.01%
16	Chromium trioxide (*2)	1333-82-0	0.01%
17	Acids generated from chromium trioxide and their oligomers: Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. (*2)	7738-94-5 / 13530-68-2	0.01%
18	Sodium dichromate (*2)(*3)	7789-12-0 / 10588-01-9	0.01%
19	Potassium dichromate (*2)(*3)	7778-50-9	0.01%
20	Ammonium dichromate (*2)(*3)	7789-09-5	0.01%
21	Potassium chromate (*2)(*3)	7789-00-6	0.01%
22	Sodium chromate (*2)(*3)	7775-11-3	0.01%
23	Formaldehyde, oligomeric reaction products with aniline (technical MDA) (*10)	25214-70-4	0.01%
24	1,2-Dichloroethane (1,2-DCE)	107-06-2	0.01%
25	Bis(2-methoxyethyl) ether (DEGDB)	111-96-6	0.01%
26	Arsenic acid (*2)	7778-39-4	0.01%
27	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.01%
28	Dichromium tris(chromate) (*2)(*3)	24613-89-6	0.01%
29	Strontium chromate (*2)(*3)	7789-06-2	0.01%
30	Potassium hydroxyoctaoxodizincatedichromate (*2)(*3)	11103-86-9	0.01%
31	Pentazinc chromate octahydroxide (*2)(*3)	49663-84-5	0.01%
32	1-bromopropane (n-propyl bromide)	106-94-5	0.01%
33	Diisopentylphthalate	605-50-5	0.01%
34	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	0.01%
35	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	0.01%

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36	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01%
37	Bis(2-methoxyethyl) phthalate	117-82-8	0.01%
38	Dipentyl phthalate (DPP)	131-18-0	0.01%
39	N-pentyl-isopentylphthalate	776297-69-9	0.01%
40	Anthracene oil (*6)	90640-80-5	0.01%(*7)
41	Pitch, coal tar, high temperature (*6)	65996-93-2	0.01%(*7)
42	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (OPEO) [covering well-defined substances and UVCB substances, polymers and homologues]	-	0.01%
43	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.01%
44	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01%
45	Dihexyl phthalate	84-75-3	0.01%
46	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 / 68648-93-1	0.01%
47	Trixylyl phosphate	25155-23-1	0.01%
48	Sodium perborate, perboric acid, sodium salt (*2) (*5)	-	0.01%
49	Sodium peroxometaborate (*2) (*5)	7632-04-4	0.01%
50	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.01%
51	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01%
52	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01%
53	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01%
54	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01%
55	Anthracene	120-12-7	0.01%
56	Bis(tributyltin) oxide (TBTO) (*4)	56-35-9	0.01%
57	Triethyl arsenate (*2)	15606-95-8	0.01%
58	Lead hydrogen arsenate (*2)	7784-40-9	0.01%
59	Cobalt dichloride (*2)	7646-79-9	0.01%
60	Acrylamide	79-06-1	0.01%
61	Anthracene oil, anthracene paste, distr. lights (*6)	91995-17-4	0.01% (*7)
62	Anthracene oil, anthracene paste, anthracene fraction (*6)	91995-15-2	
63	Anthracene oil, anthracene-low (*6)	90640-82-7	
64	Anthracene oil, anthracene paste (*6)	90640-81-6	
65	Boric acid (*2) (*5)	10043-35-3 / 11113-50-1	0.01%
66	Disodium tetraborate, anhydrous (*2) (*5)	1303-96-4 / 1330-43-4 / 12179-04-3	0.01%
67	Tetraboron disodium heptaoxide, hydrate (*2) (*5)	12267-73-1	0.01%

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68	2-Methoxyethanol	109-86-4	0.01%
69	2-Ethoxyethanol	110-80-5	0.01%
70	Cobalt(II) sulphate (*2)	10124-43-3	0.01%
71	Cobalt(II) dinitrate (*2)	10141-05-6	0.01%
72	Cobalt(II) carbonate (*2)	513-79-1	0.01%
73	Cobalt(II) diacetate (*2)	71-48-7	0.01%
74	Alkanes C10-C13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	0.01%
75	2-Ethoxyethyl acetate	111-15-9	0.01%
76	Hydrazine	302-01-2 / 7803-57-8	0.01%
77	1-Methyl-2-pyrrolidone (NMP)	872-50-4	0.01%
78	1,2,3-Trichloropropane	96-18-4	0.01%
79	Aluminosilicate Refractory Ceramic Fibres (RCF) (*8)	-	0.01%
80	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) (*8)	-	0.01%
81	2-Methoxyaniline,o-Anisidine	90-04-0	0.01%
82	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.01%
83	Calcium arsenate (*2)	7778-44-1	0.01%
84	Trilead diarsenate (*2)	3687-31-8	0.01%
85	N,N-dimethylacetamide (DMAC)	127-19-5	0.01%
86	Phenolphthalein	77-09-8	0.01%
87	Lead dipicrate (*2)	6477-64-1	0.01%
88	Lead diazide, Lead azide (*2)	13424-46-9	0.01%
89	Lead styphnate (*2)	15245-44-0	0.01%
90	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)	112-49-2	0.01%
91	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01%
92	Diboron trioxide (*2) (*5)	1303-86-2	0.01%
93	Formamide (FOR)	75-12-7	0.01%
94	Lead(II) bis(methanesulfonate) (*2)	17570-76-2	0.01%
95	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.01%
96	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.01%
97	4,4'-bis(dimethylamino)benzophenone (Michler's ketone), MK	90-94-8	0.01%
98	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base), RMK	101-61-1	0.01%
99	[4-[[4-anilino-1-naphthyl]][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*2)	2580-56-5	0.01%
100	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*9)	548-62-9	
101	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*9)	561-41-1	
102	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*9)	6786-83-0	
103	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	0.01%

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104	Pentacosafuorotridecanoic acid	72629-94-8	0.01%
105	Tricosafuorododecanoic acid	307-55-1	0.01%
106	Henicosafuoroundecanoic acid	2058-94-8	0.01%
107	Heptacosafuorotetradecanoic acid	376-06-7	0.01%
108	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) (*11)	123-77-3	0.05%
109	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7 / 13149-00-3 / 14166-21-3	0.01%
110	Hexahydromethylphthalic anhydride (MHHPA) [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0 / 19438-60-9 / 48122-14-1 / 57110-29-9	0.01%
111	N,N-dimethylformamide (DMF)	68-12-2	0.01%
112	1,2-Diethoxyethane	629-14-1	0.01%
113	Diethyl sulphate	64-67-5	0.01%
114	Methoxyacetic acid (MAA)	625-45-6	0.01%
115	Dimethyl sulphate	77-78-1	0.01%
116	N-methylacetamide	79-16-3	0.01%
117	Furan	110-00-9	0.01%
118	Methyloxirane (Propylene oxide)	75-56-9	0.01%
119	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01%
120	Dibutyltin dichloride (DBTC) (*15)	683-18-1	0.01%
121	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.01%
122	4,4'-methylenedi-o-toluidine	838-88-0	0.01%
123	4,4'-oxydianiline and its salts	101-80-4	0.01%
124	4-Aminoazobenzene	60-09-3	0.01%
125	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.01%
126	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.01%
127	Biphenyl-4-ylamine	92-67-1	0.01%
128	o-aminoazotoluene	97-56-3	0.01%
129	o-Toluidine	95-53-4	0.01%
130	Acetic acid, lead salt, basic (*2)	51404-69-4	0.01%
131	Trilead bis(carbonate) dihydroxide (*2)	1319-46-6	0.01%
132	Lead oxide sulfate (*2)	12036-76-9	0.01%
133	[Phthalato(2-)]dioxotrilead (*2)	69011-06-9	0.01%
134	Dioxobis(stearato)trilead (*2)	12578-12-0	0.01%
135	Fatty acids, C16-18, lead salts (*2)	91031-62-8	0.01%
136	Lead bis(tetrafluoroborate) (*2)	13814-96-5	0.01%
137	Lead cyanamidate (*2)	20837-86-9	0.01%
138	Lead dinitrate (*2)	10099-74-8	0.01%
139	Lead monoxide (lead oxide) (*2)	1317-36-8	0.01%
140	Orange lead (lead tetroxide) (*2)	1314-41-6	0.01%
141	Lead titanium trioxide (*2)	12060-00-3	0.01%

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142	Lead titanium zirconium oxide (*2)	12626-81-2	0.01%
143	Pyrochlore, antimony lead yellow (*2)	8012-00-8	0.01%
144	Pentalead tetraoxide sulphate (*2)	12065-90-6	0.01%
145	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] (*2)	68784-75-8	0.01%
146	Silicic acid, lead salt (*2)	11120-22-2	0.01%
147	Sulfurous acid, lead salt, dibasic (*2)	62229-08-7	0.01%
148	Tetraethyllead (*2)	78-00-2	0.01%
149	Tetralead trioxide sulphate (*2)	12202-17-4	0.01%
150	Trilead dioxide phosphonate (*2)	12141-20-7	0.01%
151	Ammonium pentadecafluorooctanoate (APFO) (*12)	3825-26-1	0.01%
152	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01%
153	Cadmium (*2)	7440-43-9	0.01%
154	Cadmium oxide (*2)	1306-19-0	0.01%
155	4-Nonylphenol, branched and linear, ethoxylated (NPEO) [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	0.01%
156	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.01%
157	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.01%
158	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.01%
159	Lead di(acetate) (*2)	301-04-2	0.01%
160	Cadmium sulphide (*2)	1306-23-6	0.01%
161	Cadmium chloride (*2)	10108-64-2	0.01%
162	Cadmium fluoride (*2)	7790-79-6	0.01%
163	Cadmium sulphate (*2)	10124-36-4 / 31119-53-6	0.01%
164	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (*13)	15571-58-1	0.01%
165	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) (*14)	-	0.01%
166	1,3-propanesultone (1,3-PS)	1120-71-4	0.01%
167	Nitrobenzene	98-95-3	0.01%
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.01%
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.01%
170	4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	0.01%
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	0.01%
172	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.01%
173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.01%

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174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	0.01%
175	Chrysene	218-01-9	0.01%
176	Benzo[a]anthracene	56-55-3	0.01%
177	Cadmium nitrate(*2)	10325-94-7	0.01%
178	Cadmium hydroxide(*2)	21041-95-2	0.01%
179	Cadmium carbonate(*2)	513-78-0	0.01%
180	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.01%
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.01%
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA)	552-30-7	0.01%
183	Dicyclohexyl phthalate (DCHP)	84-61-7	0.01%
184	Terphenyl, hydrogenated	61788-32-7	0.01%
185	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.01%
186	Decamethylcyclopentasiloxane (D5)	541-02-6	0.01%
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.01%
188	Ethylenediamine (EDA)	107-15-3	0.01%
189	Lead(*2)	7439-92-1	0.01%
190	Disodium octaborate (*2)(*5)	12008-41-2	0.01%
191	Benzo[ghi]perylene	191-24-2	0.01%
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.01%
193	Benzo[k]fluoranthene	207-08-9	0.01%
194	Fluoranthene	206-44-0	0.01%
195	Phenanthrene	85-01-8	0.01%
196	Pyrene	129-00-0	0.01%
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan- 2-one	15087-24-8	0.01%
198	2-methoxyethyl acetate	110-49-6	0.01%
199	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) Tris (4-nonylphenyl, branched) phosphite Phenol, p-sec-nonyl-, phosphite Phenol, 4-nonyl-, phosphite (3:1) tris(nonylphenyl) phosphite Phenol, p-isononyl-, phosphite (3:1)	- 106599-06-8 / 3050-88-2 / 26523-78-4 / 31631-13-7	0.01%
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.01%
201	4-tert-butylphenol (PTBP)	98-54-4	0.01%
202	Diisohexyl phthalate (DiHexP)	71850-09-4	0.01%
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.01%
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.01%
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.01%
206	1-vinylimidazole	1072-63-5	0.01%
207	2-methylimidazole	693-98-1	0.01%
208	Butyl 4-hydroxybenzoate	94-26-8	0.01%
209	Dibutylbis(pentane-2,4-dionato-O,O')tin(*15)	22673-19-4	0.01%
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.01%
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety (*13)	-	0.01%

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212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.01%
213	Orthoboric acid, sodium salt (*2) (*5)	13840-56-7	0.01%
214	2,2-bis(bromomethyl)propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 / 36483-57-5 / 1522-92-5 / 96-13-9	0.01%
215	Glutaral	111-30-8	0.01%
216	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.01%
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.01%
218	1,4-dioxane	123-91-1	0.01%
219	4,4'-(1-methylpropylidene)bisphenol	77-40-7	0.01%
220	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.01%
221	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.01%
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.01%
223	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	- 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	0.01%
224	N-(hydroxymethyl)acrylamide	924-42-5	0.01%
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	0.01%
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	79-94-7	0.01%
227	4,4'-sulphonyldiphenol	80-09-1	0.01%
228	Barium diboron tetraoxide(*2) (*5)	13701-59-2	0.01%
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.01%
230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.01%
231	Melamine	108-78-1	0.01%
232	Perfluoroheptanoic acid and its salts	-	0.01%
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.01%
234	bis(4-chlorophenyl) sulphone	80-07-9	0.01%
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (TPO)	75980-60-8	0.01%
236	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated EC / List no: 270-966-8 CAS no: 68512-30-1	-	0.01%
237	Bumetrizole	3896-11-5	0.01%
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.01%
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.01%
240	2,4,6-tri-tert-butylphenol	732-26-3	0.01%
241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.01%
242	Triphenyl phosphate(TPP)	115-86-6	0.01%
243	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.01%
244	Perfluamine	338-83-0	0.01%
245	Octamethyltrisiloxane	107-51-7	0.01%
246	O,O,O-triphenyl phosphorothioate	597-82-0	0.01%
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid (*18)	2156592-54-8	0.01%
248	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.01%
249	Decamethyltetrasiloxane	141-62-8	0.01%

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250	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-[[4-(vinylsulfonyl)phenyl]amino)-1,3,5-triazine-2-yl]amino]propyl}amino)-1,3,5-triazine-2-yl]amino)-5-sulfonato-1-naphthyl]diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	-	0.01%
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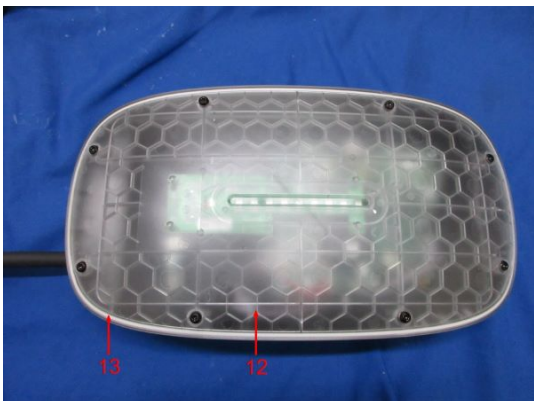
Screening of proposals for identification as substances of very high concern (SVHC) published by the European Chemical Agency (ECHA)

	Substance	CAS No.	Reporting Limit
1	Dodecamethylpentasiloxane	141-63-9	0.01%
2	1,1'-(ethane-1,2-diyl)bis[pentabromobenzene]	84852-53-9	0.01%
3	4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts	-	0.01%
4	4,4'-methylenediphenol	620-92-8	0.01%

Remark:

- (*2) The substances are tested and calculated in terms of its respective elements and to the worst-case scenario. The report states the theoretical value of SVHC substances without consideration of the actual occurrence in the article.
- (*3) The substances are tested and calculated in terms of Cr (VI).
- (*4) The substance is tested and calculated in terms of Tributyl tin.
- (*5) The substances are tested and calculated in terms of boron element and the boron element may come from the compounds other than SVHCs.
- (*6) The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.
- (*7) Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.
- (*8) The test results are based on microscopic and chemical evaluation.
- (*9) The substances are quantified in terms of Michler's ketone and Michler's base by LC-MS, as Michler's ketone or Michler's base was found exceeds 0.01%.
- (*10) The content oligomer is determined by Py-GC/MS.
- (*11) The content of diazene-1,2-dicarboxamide is analyzed in terms of its breakdown product.
- (*12) The substance is tested in terms of pentadecafluorooctanoate.
- (*13) The substance is tested and calculated in terms of Dioctyl tin.
- (*14) The substance is tested and calculated in terms of Monooctyl tin and Dioctyl tin.
- (*15) The substance is tested and calculated in terms of Dibutyl tin
- (*16) The tested material(s) was screened only for selected SVHCs. Selection of tests refers to the material type and application and the possibility of contamination during production & material specific contamination of the product.
- (*17) The other SVHCs which are not mentioned in test result were either not subject to testing according to remark *16 or less than report limit.
- (*18) Qualification is performed via determination of structural constituents. The result is reported as semi-quantitative equivalent concentration, relative to a reference compound.
- (*19) The theoretical content of SVHC substances is calculated in terms of its respective elements. This material may contains the mentioned SVHCs, it is suggested to check the respective recipe if the theoretical content of the respective substance >0.1% in each article

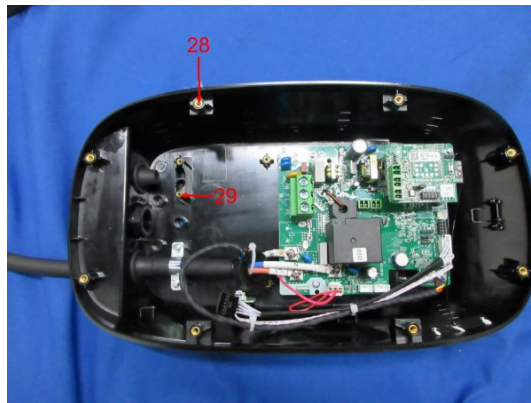
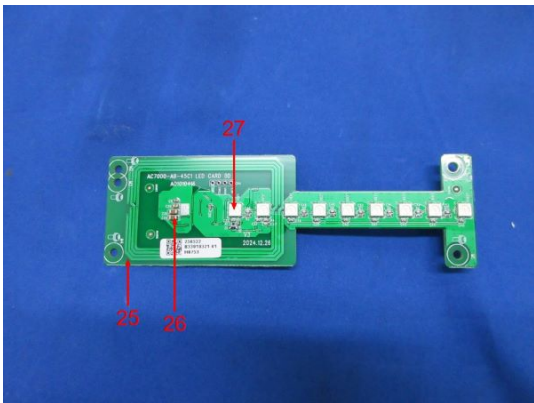
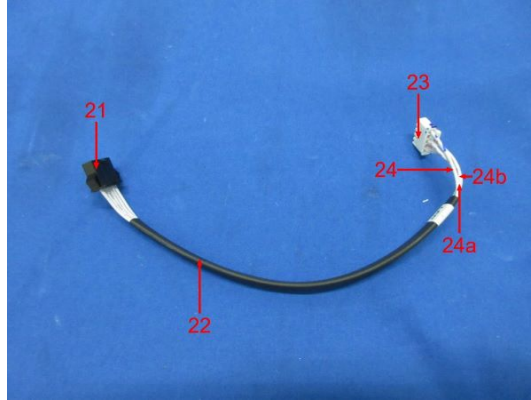
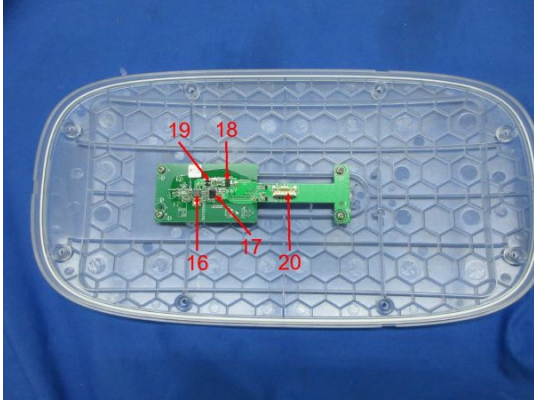
Sample Photos



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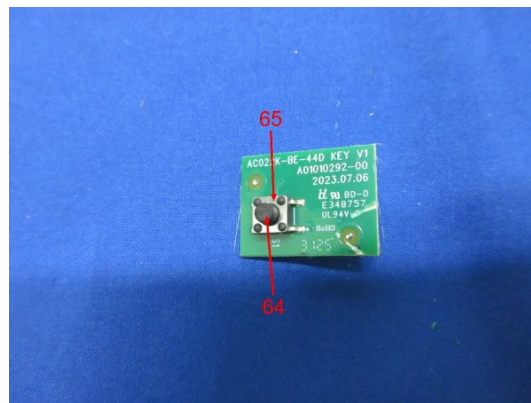
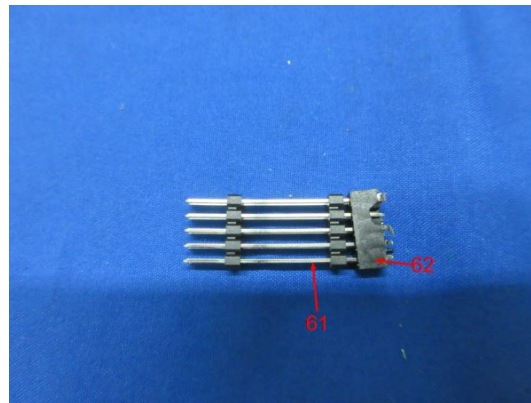
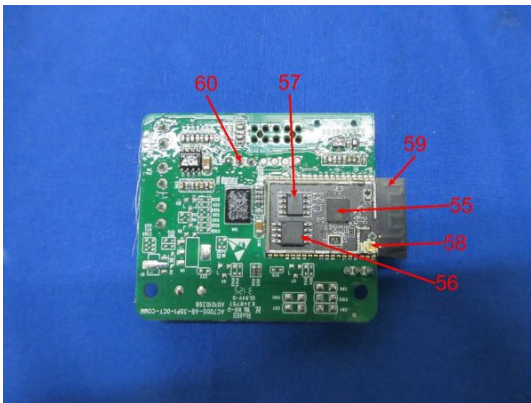
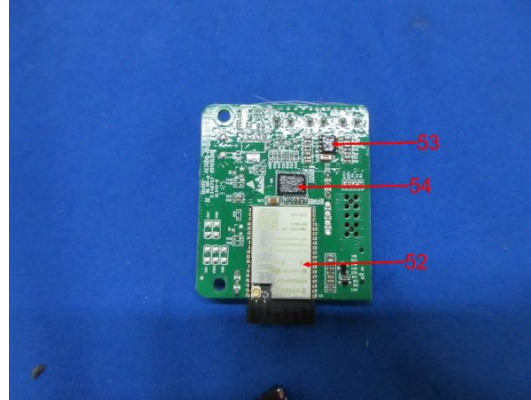
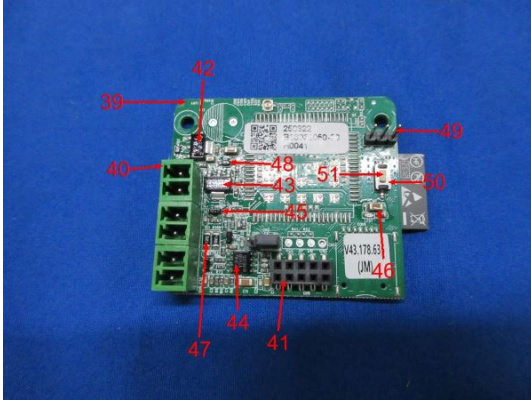
Sample Photos



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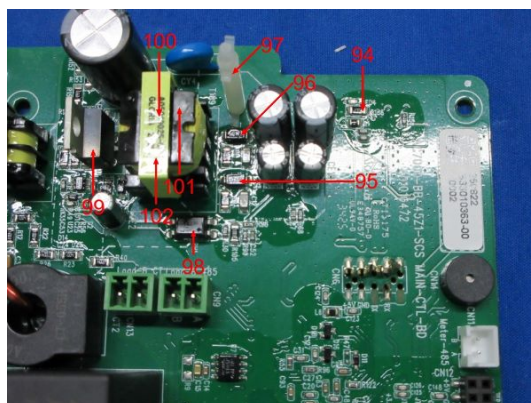
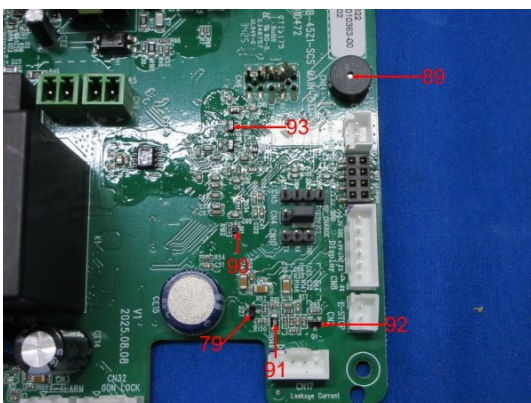
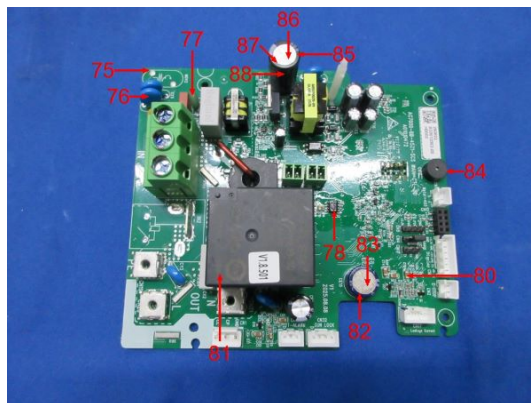
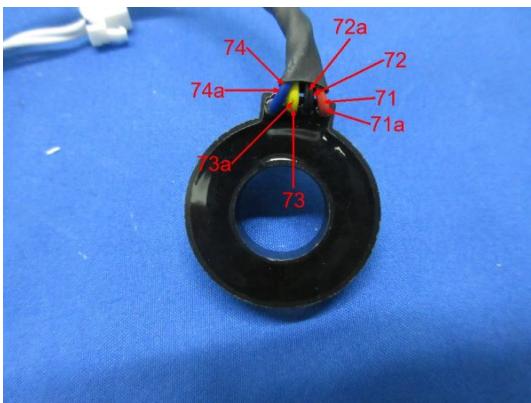
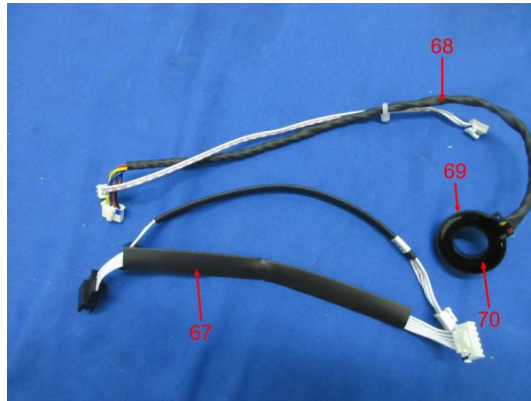
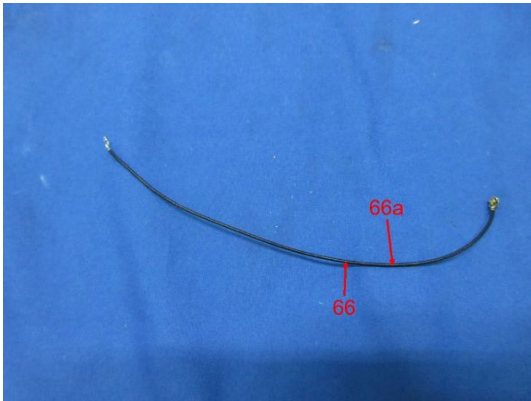
Sample Photos



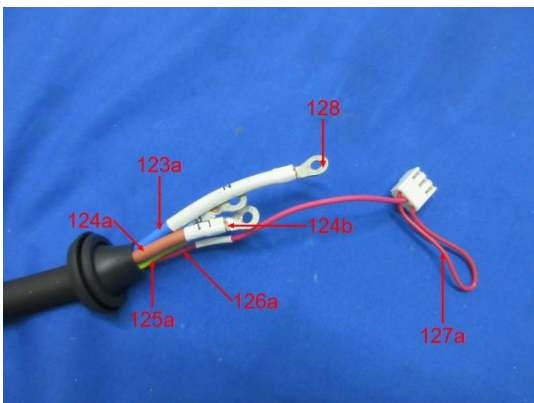
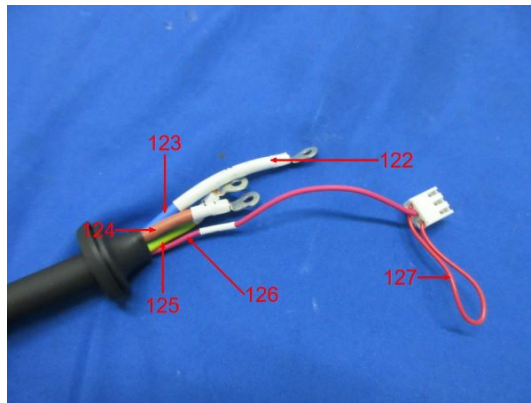
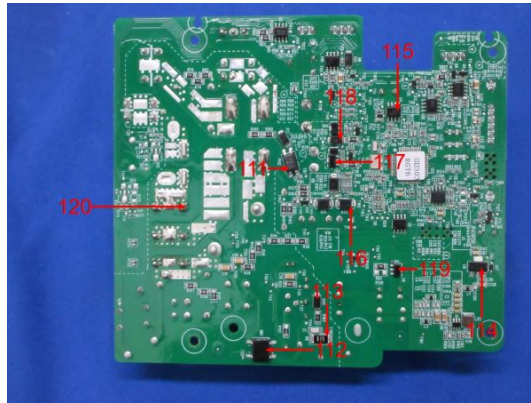
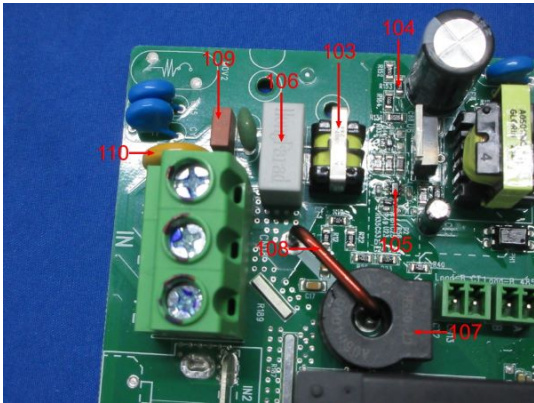
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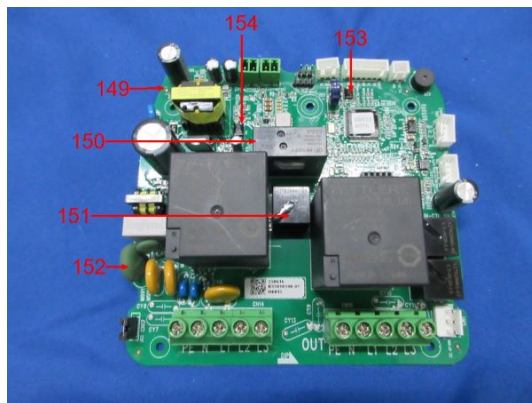
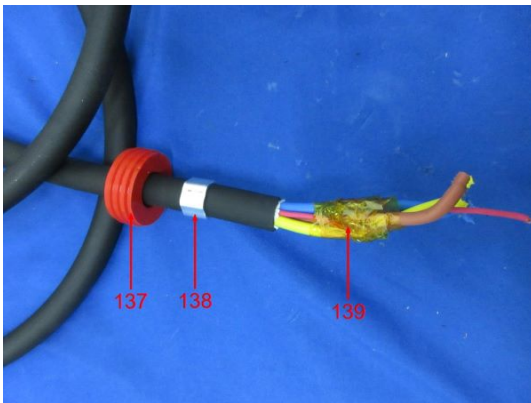
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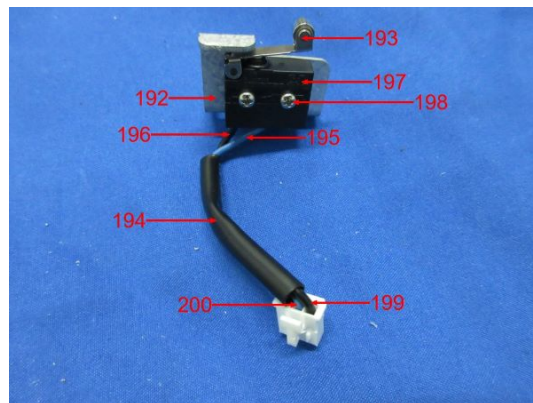
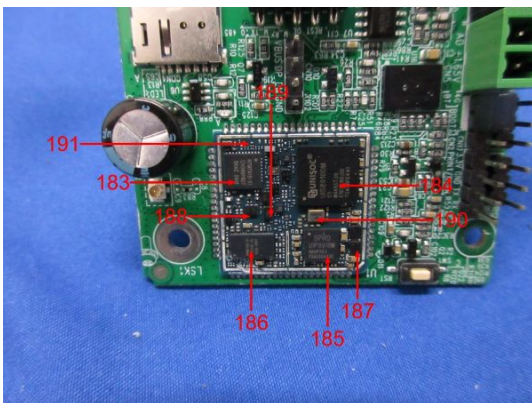
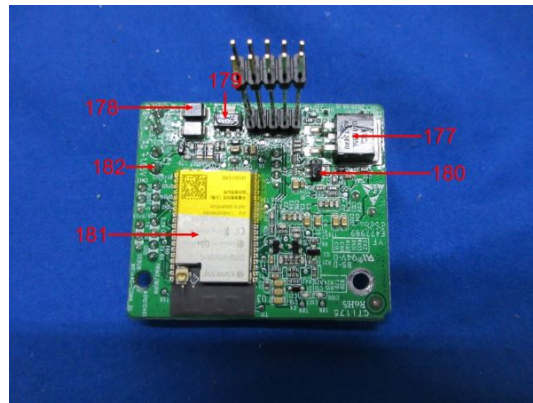
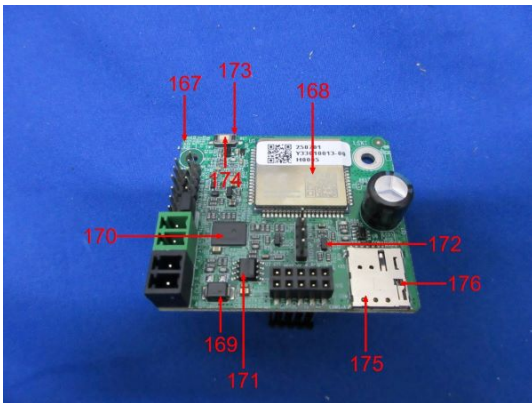
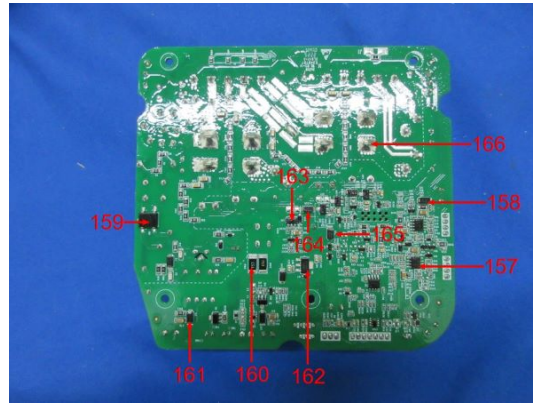
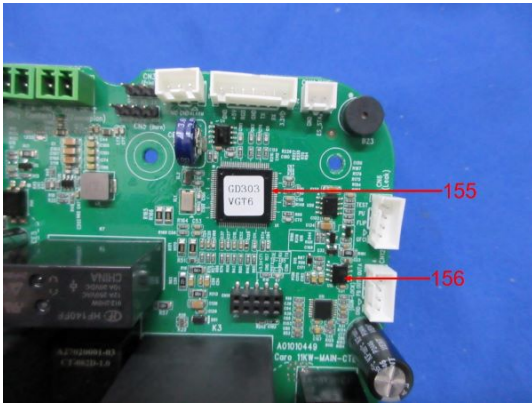
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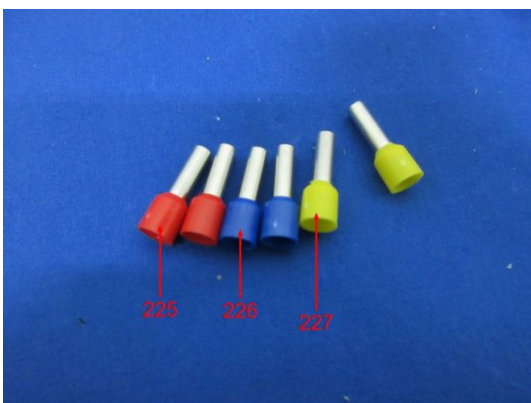
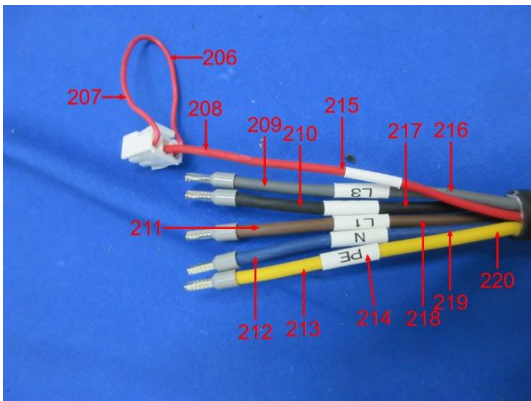
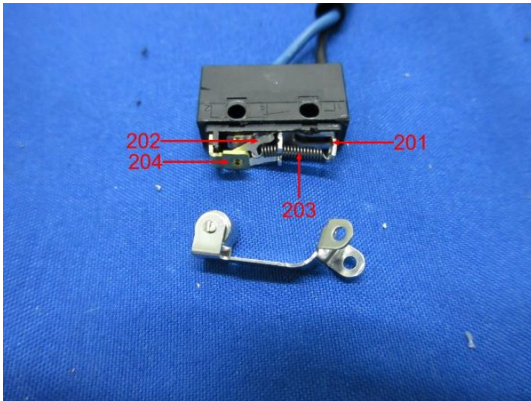
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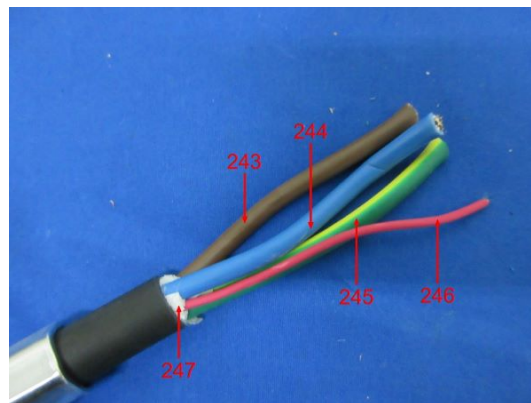
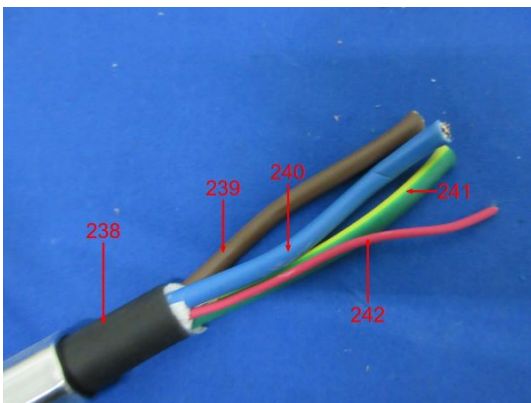
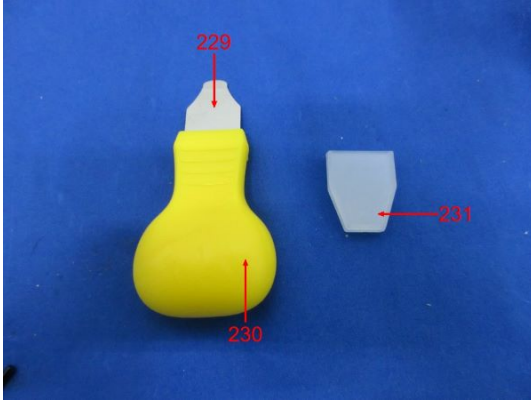
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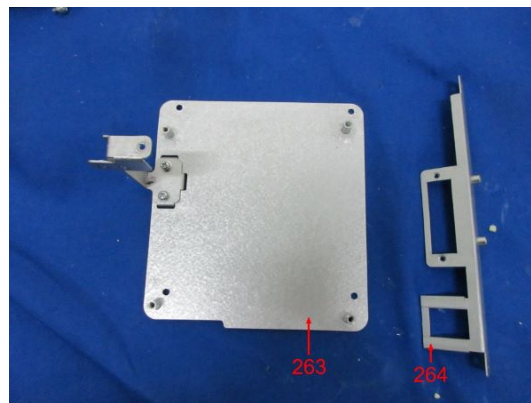
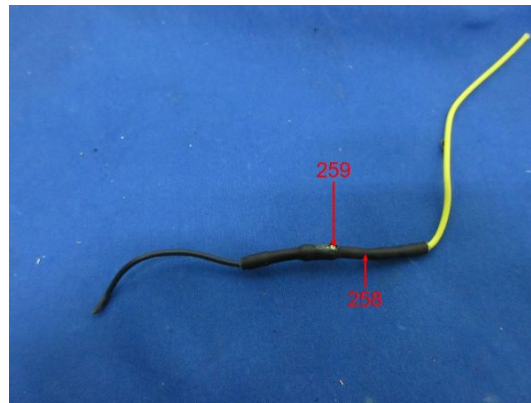
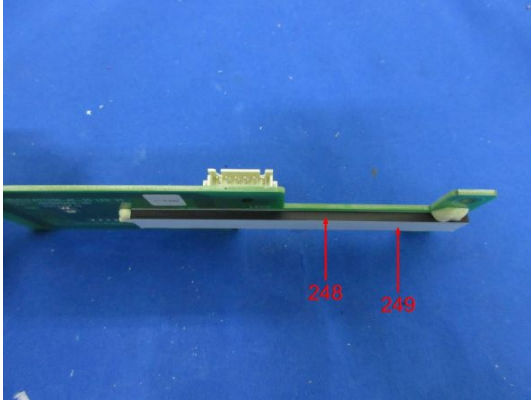
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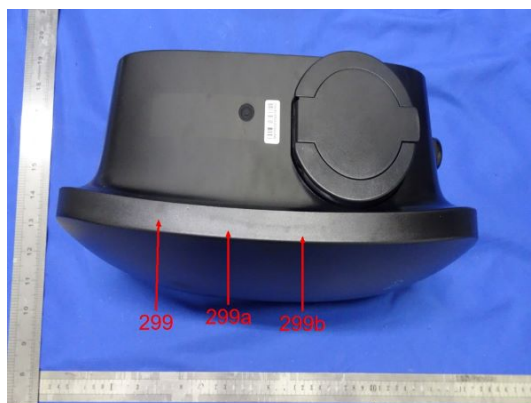
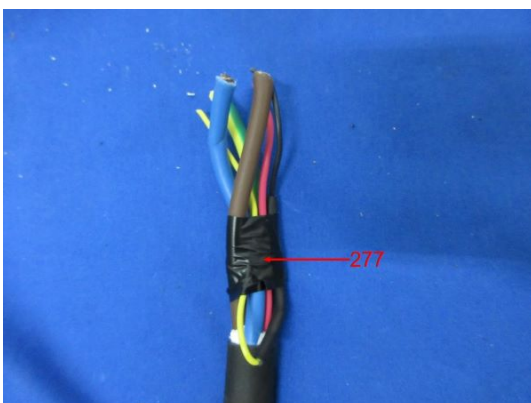
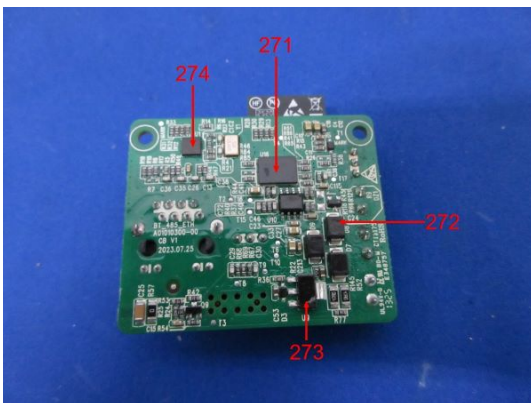
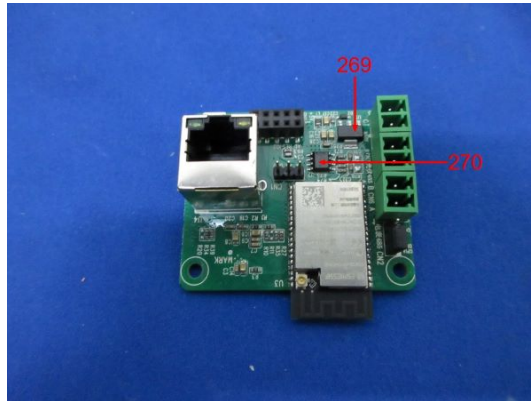
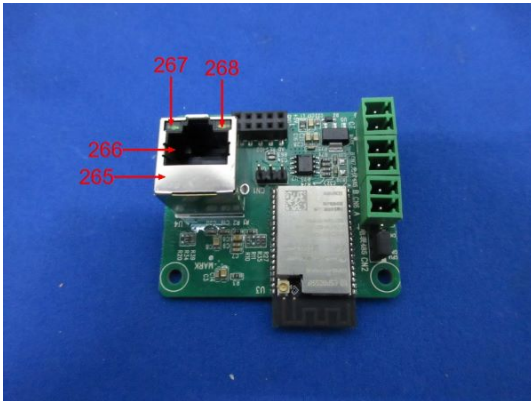
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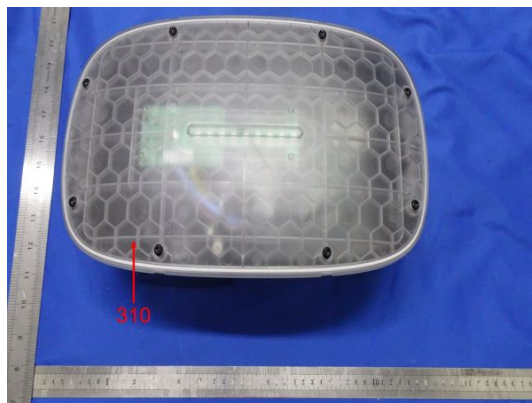
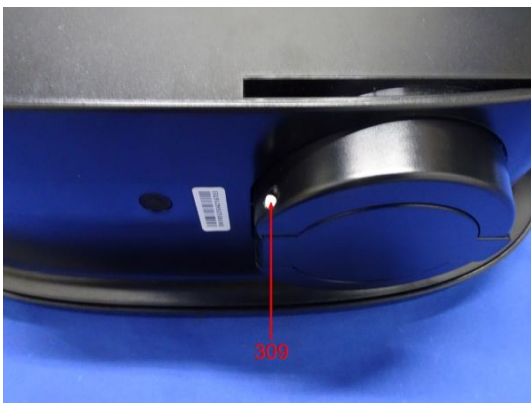
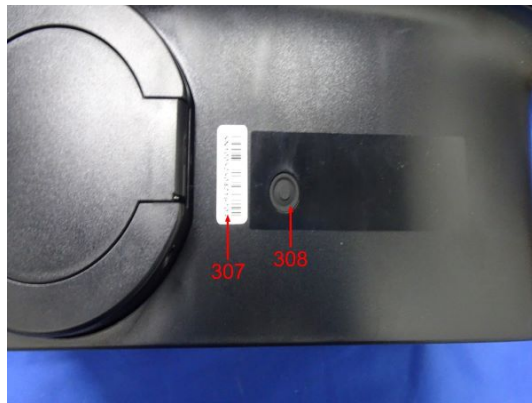
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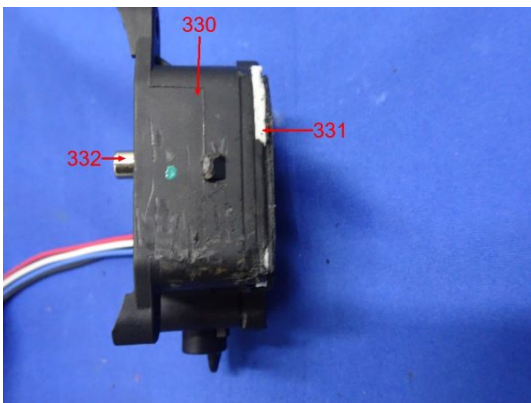
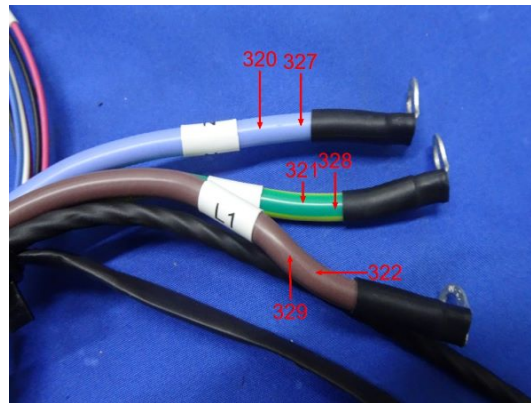
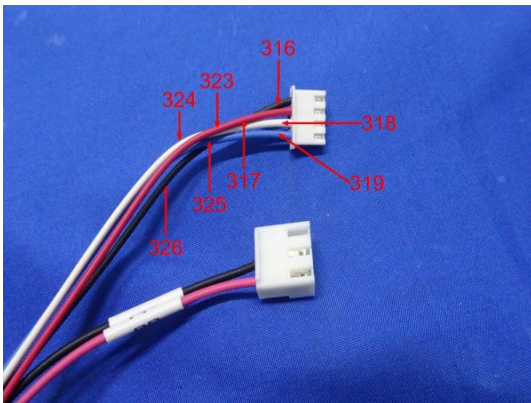
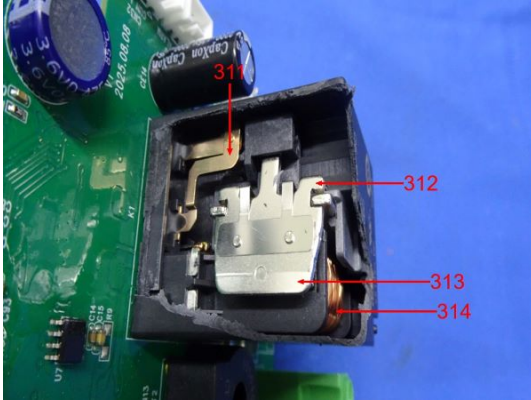
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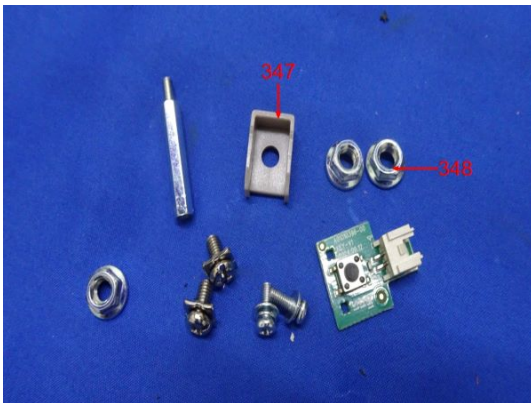
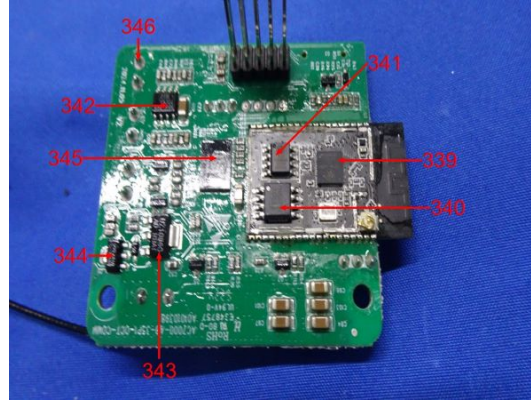
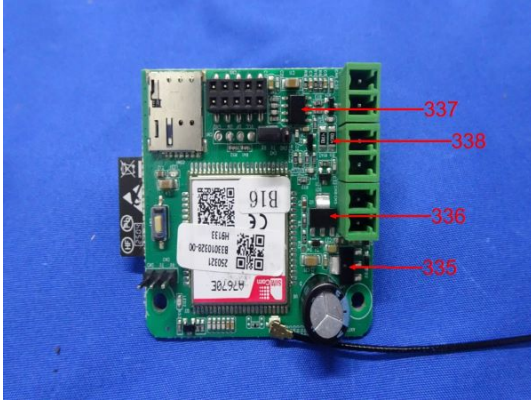
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Product



Product



Product

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Product

- END -

General Terms and Conditions of Business of TÜVRheinland in Greater China

1. Scope
These General Terms and Conditions of Business of TÜVRheinland in Greater China ("GTCB") is made between one or more members and one or more companies in Greater China as applicable as the case may be ("TÜV Rheinland"). The Greater China hereof refers to the regions within the territories of China. The client hereby includes:

- (i) a natural person capable to form legally binding contracts under the applicable laws who concludes the contract for the purpose of the daily use;
- (ii) the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.

The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations provided within the scope of contract performance.

Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.

In the context of an ongoing business relationship with the client, this GTCB shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.

2. Quotations

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.

3. Coming into effect and duration of contracts

The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the request requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested services.

The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.

If the contract provides for an extension of the contract term, the contract term will be extended by the term provided in the contract where such extension is written by both parties with a three-month notice prior to the end of the contractual term.

4. Scope of services

The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope of the service description (e.g. checking the condition and function of parts, products, processes, installations, organizations not listed in the service description, as well as the intended use and application of such) are not owed. In particular, no responsibility is assumed for the design, selection of materials, construction or intended use of an examined part, product, process or plant, unless this is expressly stated in the order.

The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.

TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.

On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole or the upstream and/or downstream processes, organizations, use and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined by an examined part, product, process or plant, unless this is expressly stated in the order.

In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which the inspections are based, unless otherwise expressly agreed in writing.

If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.

The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying confidence in the work results (test reports, test results, expert reports, etc.) are not part of the agreed services. This also applies if the client passes on work results - in full or in extracts - to third parties in accordance with clause 11.4.

The client understands and agrees to perform the contract with TÜV Rheinland, the client may need to sign one or more contractual agreements with all/more third party(ies) and establish legal relationships with those/third party(ies) according to such contractual agreements. TÜV Rheinland hereby bears the corresponding legal liability according to this contract and the direct services actually to be provided by our company in the service process. If the relevant services are not directly provided by TÜV Rheinland (including but not limited to any testing and inspection services to be provided by third parties, test and inspection services, etc.), TÜV Rheinland will provide the client as agent for such relevant services. In order to achieve the purpose of the contract, the client hereby agrees that TÜV Rheinland (including but not limited to a third party) to party undertake all necessary responsibilities, test and inspection services and responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be entrusted and/or applied for by our company on behalf of the client or other testing and/or certification bodies, agency services provided by any other third party(ies), etc.). Besides, the client shall be liable in accordance with the relevant laws and regulations and/or the terms under the contract. If the client is required to provide any annual renewal/validity of the relevant services, TÜV Rheinland shall be responsible and pay additional fees in accordance with the relevant laws and regulations or the testing and certification rules, such fees are not within the scope of the contract price, the client shall timely fulfill the obligation to provide the relevant services, test results, expert reports, etc.). If the client fails to perform such obligations of the annual renewal/surveillance or fees payment, it may lead to adverse consequences such as failure of the surveillance/invalidity of testing and/or certification results, which shall not be borne by TÜV Rheinland.

For the service contract agreed in the contract, if the client requires TÜV Rheinland to deliver relevant test samples, data, etc. to any overseas laboratory or other places or sites to be designated by the client, TÜV Rheinland shall not take any responsibilities, test and inspection services and responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be entrusted and/or applied for by our company on behalf of the client or other testing and/or certification bodies, agency services provided by any other third party(ies), etc.). Besides, the client shall be liable in accordance with the relevant laws and regulations and/or the terms under the contract. If the client is required to provide any annual renewal/validity of the relevant services, TÜV Rheinland shall be responsible and pay additional fees in accordance with the relevant laws and regulations or the testing and certification rules, such fees are not within the scope of the contract price, the client shall timely fulfill the obligation to provide the relevant services, test results, expert reports, etc.). If the client fails to perform such obligations of the annual renewal/surveillance or fees payment, it may lead to adverse consequences such as failure of the surveillance/invalidity of testing and/or certification results, which shall not be borne by TÜV Rheinland.

5. Performance period/dates

The contractually agreed period/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if being consistent as binding by TÜV Rheinland in writing.

If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland.

Articles 5.1 and 5.2 also apply, even without express agreement by the client, to all extensions of agreed period/dates of performance not caused by TÜV Rheinland.

TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his obligations in accordance with clause 1.1 and the client does not do so in time and, in particular, has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.

If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.

If the client is obliged to comply with legal, officially prescribed and/or by the accreditator prescribed deadlines, i.e. the client must agree to the agreed deadlines in writing, TÜV Rheinland is entitled to, which enable the client to comply with the legal and/or officially prescribed deadlines. TÜV Rheinland assumes no responsibility in this respect unless TÜV Rheinland expressly agreed in writing specifically stating that ensuring the deadlines is the contractual obligation of TÜV Rheinland.

6. The client's obligation to cooperate

The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.

Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and warrants that:

- a) it has required statutory qualifications;
- b) the product, service or management system to be certified complies with applicable laws and regulations; and
- c) it doesn't have any legal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China

If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/certificates if any.

The client shall bear any additional cost also incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.

7. Prices

If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is agreed in writing, invoicing shall be based on the price list of TÜV Rheinland valid at the time of performance.

Unless otherwise agreed, work orders shall be issued by the client and shall be valid for the work. If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in instalments.

8. Payment terms

All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on receipt of the invoice. No discounts and rebates shall be granted.

Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.

In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short term interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to claim further damages.

Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.

The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.

Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.

April 2024

TÜV Rheinland shall be entitled to demand appropriate advance payments.

TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees exceeds 5% per contractual year, the client shall not have the right to terminate the contract. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the period of notice of changes in fees. If the contract is not terminated, the rise in fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.

Only legally established and undisputed claims may be offset against claims by TÜV Rheinland.

TÜV Rheinland shall have the right at all times to set off any amount due or payable by the client, including but not limited to set off any amount paid by the client under any contracts, agreements and/or order/quotations reached with TÜV Rheinland.

9. Acceptance of work

Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an instalment. The client shall be obliged to accept it immediately.

If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion and handover of the work, unless the client refuses acceptance within this period stating at least one fundamental breach of contract by TÜV Rheinland.

The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.

If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.

During the Follow-up/Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing performance by TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of surveillance audits), or if the client cancels or postpones a confirmed audit date by the client, TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above lump sum.

9.6 Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be entitled to charge for such services. In the event of a cancellation of the contract, the client shall be liable for compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

10. Confidentiality

For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, expertise, information, data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing techniques and applications, including but not limited to the following: information otherwise disclosed by one Party (the "disclosing party") to the other Party (the "receiving party"), in writing or orally, in printed or electronic form. Confidential information is expressly not the data and know-how otherwise disclosed or transferred by TÜV Rheinland to the client, and is not proprietary to the client within the scope of the provision of services by TÜV Rheinland.

TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the purposes of developing new services, improving services and analysing the provision of services.10.2 The disclosing party shall mark all confidential information disclosed in written form as confidential before passing it onto the receiving party. The same applies to confidential information transmitted by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality nature of the information within five working days of oral disclosure. Where the disclosing party discloses confidential information during the period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g., Wechat, etc. Unauthorized by TÜV Rheinland) to send and/or receive confidential information.

The client shall send any confidential information to company email of TÜV Rheinland employees through its company email. If the client suffers from any losses or damages due to any theft or leakage to be caused by the adoption of and/or the use of the disclosing party's testing methods mentioned above, TÜV Rheinland shall be waived for any compensation liabilities.

All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created during performance of the contract by the receiving party may only be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party.

Any test or copied, distributed, published or otherwise disclosed by the receiving party, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, inspection reports or documentation to the government authorities, official court, accreditation bodies or third parties (including but not limited to the relevant direct and/or indirect proposed purchasers, vehicle manufacturers/whole equipment manufacturers, test standards or test requirements providers of the client's test products and/or certified products, etc.), that are involved in the performance of the contract by the receiving party, must be treated by the receiving party with the same level of confidentiality as the receiving party must to protect its own confidential information, but never with a lesser level of confidentiality than required by the disclosing party.

The receiving party may disclose any confidential information received from the disclosing party only to those of its employees who need this information to perform the services required for the contract. The receiving party shall ensure that those employees to observe the same level of secrecy as set forth in this confidentiality clause.

Information for which the receiving party can furnish proof that:

a) it was generally known at the time of disclosure or has become general knowledge without the disclosure of confidential information by the disclosing party;

b) it was disclosed to the receiving party by a third party entitled to disclose this information; or

c) the receiving party already possessed this information prior to disclosure by the disclosing party; or

d) the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as used in this confidentiality clause.

10.6 All confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party, and (ii) on request by the disclosing party, to destroy all confidential information, including all copies, and to confirm the destruction of the confidential information to the disclosing party in writing, at any time if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not exclude reports and certificates prepared for the client for the client's fulfilment of the obligations under the contract, which shall remain with the client. However, TÜV Rheinland is entitled to make file copies of such reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to fulfil its obligations under the contract. The general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheinland.

10.7 From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict secrecy of all confidential information and shall not disclose this information to any third parties or use it for itself.

Copyrights and rights of use, publications

TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations, etc. prepared by TÜV Rheinland, unless expressly agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use ("right of use").

11.2 The right of use is a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/opinions, test reports/results, results, calculations, etc. prepared within the scope of the contract for the contractually agreed purpose.

11.3 The transfer of right of use of the generated work results regulated in clause 11.2 of the GTCB is subject to full payment of the remuneration for the work results by the client.

11.4 The client may use work results only complete and unshortened. The client may only pass on the work results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.

11.5 Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulated in clause 11.2, and any quotation of the introduction of TÜV Rheinland results by the prior written approval of TÜV Rheinland in each individual case. Besides, the client ensures that the aforesaid use shall comply with relevant applicable laws, regulations and relevant rules (including but not limited to specific applicable testing and certification rules, etc.).

11.6 TÜV Rheinland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to ensure that the work results are not further used.

11.7 The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or testification mark of TÜV Rheinland.

Liability of TÜV Rheinland

12.1 Irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contract; (ii) in the case of a contract for an annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, three times of the fee for the individual order under which the damages or losses have occurred.

Notwithstanding the above, in the event that the total and accumulated liability calculated according to the foregoing provisions exceeds 25 Million Euro or equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and shall not exceed the said 25 Million Euro or equivalent amount in local currency.

The limitation of liability according to article 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vicarious agents. Such limitation shall not apply to damages for a person's death, the total injury or illness.

12.3 In cases involving a fundamental breach of contract, TÜV Rheinland will be liable even where minor negligence is involved. For this purpose, a fundamental breach is a breach of a material contractual obligation, the performance of which permits the due performance of the contract.

Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract at the time of the breach (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.

12.4 TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of the services or the acts of the personnel of such personnel made available as regarded as vicarious agent of TÜV Rheinland. If TÜV Rheinland is not liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any claims made by third parties arising from or in connection with such personnel's acts.

12.5 Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract for damages caused by the personnel of TÜV Rheinland.

12.6 The limitation periods for claims for damages shall be based on statutory provisions.

12.7 None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.

13. Export control

13.1 When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control laws.

13.2 The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or

sanctions. In the event of a violation, TÜV Rheinland is entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.

14. Data protection notice

The client understands and agrees that TÜV Rheinland processes personal data (including but not limited to personal information) of the client and its related parties (including but not limited to the supplier of the client) for the purpose of fulfilling this contract. The client confirms that it has obtained the prior consent of the data subject, which entitles TÜV Rheinland to access, use, or process the personal data that the client collected or processed by itself and transferred to TÜV Rheinland. For certain services, we may also process sensitive personal data. TÜV Rheinland will use and process the data in accordance with the relevant legal basis. If any personal data has been disclosed or transferred to any third party or any overseas party outside of the district in which the personal data was collected, the client must confirm that it has obtained the prior consent of the data subject. TÜV Rheinland will carry out cross-border data transmission and protect the data in compliance with the privacy and personal data security related laws and regulations in China and the local country. TÜV Rheinland will take measures to avoid any leakage, abuse, manipulation, damage or unauthorized access of personal data. The personal data will be deleted immediately as soon as a corresponding reason for deletion arises. Data subjects may exercise the following rights: right of information, right of decision, right of rectification, right of deletion, right of processing limitation, right of objection, right of data transferability. In addition, persons concerned by the data processing have the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the competent data protection supervisory authority. For further details on the processing of personal data by TÜV Rheinland as the person responsible or contract processor, please refer to the respective data protection information. You can contact the Group Data Protection Officer of TÜV Rheinland by e-mail at dataprotection@tuv.com or by post at the following address: TÜV Rheinland AG, c/o Group Data Protection Officer, Am Grauen Stein, 51105 Cologne, Germany.

15. Retention of test material and documentation

15.1 The test samples submitted by the client to TÜV Rheinland for testing will be scrapped following testing or will be returned to the client at the client's expense. The only exceptions are test samples, which are placed in storage on the basis of statutory regulations or of another agreement with the client.

15.2 Charges apply if the test samples are stored at the premises of TÜV Rheinland. The cost of placing a test sample into storage will be disclosed to the client in the quotation.

15.3 reference samples or documentation are given to the client and are placed in storage at their premises, the reference samples or documents must be made available to TÜV Rheinland upon request promptly and free of charge. If the client, in response to such a request, is incapable of making or providing the reference samples or documents, any liability claims for material and pecuniary damage resulting from the respective testing and certification that is brought forward by the client against TÜV Rheinland shall be voided.

15.4 The retention period for the documentation shall be determined by the expiry of the test mark certificates or shall meet the applicable legal requirements for EU/EEA certificates of conformity and GS mark certificates.

15.5 The results of the analysis and dispatch of the test samples for storage on the client's premises are borne by the client. TÜV Rheinland will be liable for the loss of test samples or reference samples from the laboratories or warehouses of TÜV Rheinland only in case of gross negligence.

16. Termination of the contract

16.1 Notwithstanding clause 3.2 of the GTCB, TÜV Rheinland and the client are entitled to terminate the contract in its entirety or, in the case of services combined in one contract, each of the combined parts of the contract individually and independently of the continuation of the remaining services with six (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to six (6) weeks in case of TÜV Rheinland is prevented from performing the services due to a loss or a suspension of its accreditation or notification.

For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract without being any liabilities and/or damages to the client. The relevant service fees for the services provided by TÜV Rheinland due to the termination date of the contract. The aforesaid good causes includes but not limited to the following:

a) the client does not immediately notify TÜV Rheinland of any material changes in the conditions within which the client is relevant for certification or signs of such changes;

b) the client misuses the certificate or certification mark or uses it in violation of the contract;

c) in the event of several consecutive delays in payment (at least three times);

d) a substantial deterioration of the financial circumstances of the client occurs and as a result the payment claims of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably be expected to continue the contractual relationship;

e) in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent behavior of the managers, employees or agents of the client;

f) if TÜV Rheinland, in response beyond the contractual terms, temporarily or finally not able or intend to continue or finalize the performance of the service, e.g. in case of force majeure, government interference, sanctions, loss of accreditation or notification, or other.

If the country/region involved in the contract is subject to a service project in the contract does not belong to the insurance coverage applicable to TÜV Rheinland, and TÜV Rheinland believes that there is a risk or some risks beyond its control to continue to perform the contract.

16.3 The event of termination with written notice by TÜV Rheinland for good cause, TÜV Rheinland shall be entitled to a lump-sum claim for damages against the client if the conditions of a claim for damages exist. In this case, the client shall owe 15% of the remuneration to be paid until the end of the fixed contract term. The lump-sum claim shall be reduced by the amount of the claim for damages existing. In this case, the client shall owe 15% of the remuneration to be paid until the end of the fixed contract term.

16.4 If there is no damage or a considerably lower damage, TÜV Rheinland reserves the right to prove a considerably higher damage in individual cases.

16.5 If the client is prevented from performing the contract with written notice if the client has not been able to make use of the time windows for auditing /service provision provided by TÜV Rheinland within the scope of a certification procedure and the certificate therefore has to be withdrawn (for example during the performance of monitoring audits), clause 16.3 applies accordingly.

17. Force Majeure

17.1 "Force Majeure" means the occurrence of an event or circumstance that prevents or impedes a Party from performing one or more of its contractual obligations under the contract, if and to the extent that that Party proves: (a) that such impediment is beyond its reasonable control; and (b) that it could not reasonably have been prevented or overcome by the Party.

17.2 If the affected Party is not able to perform its obligations under the contract, it shall be presumed to fulfill conditions (a) and (b) under paragraph 1 of this Clause: (i) war (whether declared or not), hostilities, invasion, act of foreign enemies, extensive military mobilization; (ii) civil war, riot, rebellion and related disturbances; (iii) epidemic, pandemic, natural disaster or extreme natural event; (iv) piracy; (v) currency and trade restriction, embargo, sanction; (vi) act of authority whether lawful or unlawful, compliance with any law or governmental order, expropriation, seizure of works, equipment, nationalization; (vii) plague, epidemic, natural disaster or extreme natural event; (viii) explosion, fire, destruction of equipment, prolonged breakdown of transport, telecommunication, information system or energy; (ix) general labor disturbance such as boycott, strike and lock-out; or (x) slow, occupation of factories and premises.

17.3 The Party successfully invoking this Clause is relieved from its duty to perform its obligations under the contract and from any liability in damages or from any other contractual remedy for breach of contract at the time at which the impediment or its consequences inability to perform, provided that the notice thereof is given without delay. If notice thereof is not given without delay, the relief is effective from the time at which notice thereof reaches the other Party. Where the effect of the impediment or its consequences is temporary, the above contract shall apply for as long as the impediment involved impedes performance by the affected Party. Where the duration of the impediment involved has the effect of substantially depriving the contracting Parties of what they were reasonably entitled to expect under the contract, either Party has the right to terminate the contract by notification within a reasonable period to the other Party. Unless otherwise agreed, the Parties expressly agree that the contract may be terminated by either Party if the duration of the impediment exceeds 120 days.

18. Hardship

18.1 The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the conclusion of the contract.

18.2 Notwithstanding paragraph 1 of this Clause, where a Party proves that:

(a) the continued performance of its contractual duties has become excessively onerous due to an event beyond its reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract; and

(b) it could not reasonably have avoided or overcome the event or its consequences, the Parties are bound, within a reasonable time of the invocation of this Clause, to negotiate alternative contractual terms which reasonably allow to overcome the consequences of the event.

18.3 Where Clause 18.2 applies, but where the Parties have been unable to agree to alternative contractual terms as provided in that paragraph, the Party invoking this Clause is entitled to terminate the contract, but cannot request adaptation by the judge or arbitrator without the agreement of the other Party.

19. Partial invalidity, written form, place of jurisdiction and dispute resolution

19.1 All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1.

19.2 Should one or several of the provisions under the contract and/or these terms and conditions be or become ineffective, the contracting parties shall replace the invalid provision with a legally valid provision that comes closest to the content of the invalid provision in legal and commercial terms.

Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be the law of the People's Republic of China.

a) If TÜV Rheinland in question is legally registered and existing in the People's Republic of China, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the law of the People's Republic of China.

b) If TÜV Rheinland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Taiwan.

c) If TÜV Rheinland in question is legally registered and existing in Hong Kong, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Hong Kong.

Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations.

Unless otherwise stipulated in the contract, no agreement in respect of the extension of the negotiation period can be reached within two months of the arising of the dispute, the dispute shall be submitted:

a) in the case of TÜV Rheinland in question being legally registered and existing in the People's Republic of China, to China International Economic and Trade Arbitration Commission (CIETAC) to be settled by arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submitted. The arbitration shall take place in Beijing, Shanghai, Shenzhen or Chongqing as appropriately chosen by the claiming party.

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