Test Report - Industry Services

Prüfbericht - Nr.: *Test Report No.:*	**0101-00467-24-01**	**Seite 1 von 26** *Page 1 of 26*	
Auftraggeber: *Client:*	**Nanjing Kemision Chemicals Co Ltd** Room 508, Hongyun Mansion, No 185, Hanzhong Road, Nanjing, China.		
Kunden-referenz-Nr.: *Client reference no.:*	TRF Dated: 2024-02-16	**Auftrags-Nr:** *Order no.:*	146883928
Gegenstand der Prüfung: *Test item:*	CO POLYMER COATED ECCS TAPE-CJB	**Auftragsdatum:** *Order date.:*	2024-02-16
Bezeichnung Typ-Nr.: *Identification / Type No.:*	-	**wareneingangsdatum:** *Date of sample receipt:*	2024-02-16
Auftrags-Inhalt: *Order content:*	Chemical Test	**Prüfmuster-Nr:** *Test sample no.:*	0101-00467-24-01
Prüfgrundlage: *Test specification:*	Customer requirement: 235 Substances of Very High Concern (SVHC) as per Authorization List and Candidate List Proposed by European Chemical Agency (ECHA) With Reference to Corrigendum to Regulation (EC) No.1907/2006- REACH.	**Prüfzeitraum:** Testing Period:	2024-02-23 To 2024-03-04
Ort der Prüfung: *Place of testing:*	Plot No. 27B, 2nd Cross, Electronic City Phase1, Hosur Road, Bangalore - 560100, Karnataka, India.		
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (India) Private Limited.		
Prüfergebnis: *Test Result:*	Refer Page No: 2 to 26		

Zusammengestellt: *compiled by*	Sesuraj S	**Genehmigt von:** *authorized by:*	Anbukumar S
Datuvm: *Date*:	2024-03-05	**Ausstelldatum:** *Issue date:*	2024-03-05
Stellung / *Position*:	Asst. Manager Material Testing Laboratory	**Stellung** / *Position*:	Manager-Operation Material Testing Laboratory

Sonstiges/ Other: Part -1 of test results are Accredited by NABL & Part -2 are Non-accredited parameters.

Zustand des prüfgegenstandes bei Anlieferung:
Condition of the test item at the time of delivery: Good

Abkürzungen:	***ok / P***	***entspricht Prüfgrundlage***	***Abbreviations:***	***ok / P***	***passed***
	fail / F	***entspricht nicht Prüfgrundlage***		***fail / F***	***failed***
	n.a. / N	***nicht anwendbar***		***n.a. / N***	***not applicable***

REACH SVHC Compliance: As per Regulation EC No.: 1907/2006 proposed by European Chemical Agency (ECHA)

Test Requested: 235 Substances of Very High Concern (SVHC) as per Authorization List and Candidate List 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29 Subject to Authorization proposed by European Chemical Agency (ECHA) With reference to Corrigendum to Regulation (EC) No.1907/2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Test Method: The Part was analyzed for 235 Substance of Very High Concern (SVHC) as per the Authorization List and Candidate List 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29 subject to Authorization proposed by European Chemical Agency (ECHA) as per REACH Regulation EC No.1907/2006 requirement by using suitable analytical techniques namely GC-MS, GC-FID & ECD, ICP-OES HPLC and LC-MSMS.

Test Conclusion: The test item has been tested as per the above para. The concentration of SVHC is well within the limit (0.1% wt/wt).

TEST RESULTS

Discipline: Chemical
Product Group: Hazardous & Restricted Chemicals
Evaluation of 235 Substances of Very High Concern (SVHC's) as per Authorization List and Candidate List 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29
As per REACH Regulation EC.No.1907/2006

Contents:

1. Executive Summary:

The Part was analyzed for 235 Substance of Very High Concern (SVHC) as per the Authorization list and Candidate List 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29 subject to Authorization proposed by European Chemical Agency (ECHA) as per REACH Regulation EC No.1907/2006 requirement by using suitable analytical techniques. The test results for the tested item is well within the permissible limit 0.1% wt./wt.

2. Background:

TÜV RHEINLAND INDIA PVT. LTD was requested to analyze the part for 235 substance of very high concern as per the authorization list and candidate list 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29 subject to authorization proposed by European chemical agency (ECHA).

REACH (Registration, Evaluation, Authorization and Restrictions of Chemicals) is the regulation for controlling chemicals in Europe. Any company exporting a chemical substance on its own, in a preparation (mixture of substances), or in articles (finished manufactured goods & packaging material) at or above 1 tonne per year should be subjected to REACH compliance and company has to register chemical substances with the European Chemical Agency (ECHA)

From 28 October 2008, EU & EEA suppliers of articles, which contain substances on the Candidate List in a concentration above 0.1% (w/w), must provide sufficient information, available to them, to their customers and on request to consumers within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.

From 1 December 2011, EU and EEA producers or importers of articles have to notify ECHA when their article contains a substance on the Candidate List. This obligation applies if the substance is present above 0.1% (w/w) and its quantities in the produced/imported articles are above 1 tonne in total per year per company.

3. Evaluation of SVHC's (Substance of Very High Concern)

The Authorization list and the Candidate List 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29 consisting of 235 SVHC's subject to Authorization proposed by European Chemical Agency (ECHA) are given below:

List of 235 SVHC's and category:

Sl.No.	Substance name	CAS No.	Category
1	4-4'-Diaminodiphenylmethane	101-77-9	Carcinogen, cat. 2
2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	vPvB
3	(Short Chain Chlorinated Paraffin's) C10-13, (SCCP)	85535-84-8	PBT, vPvB
4	Anthracene	120-12-7	PBT
5	Benzylbutylphthalate (BBP)	85-68-7	Toxic for reproduction cat.2
6	Bis (2-ethyl(hexyl)phthalate) DEHP)	117-81-7	Toxic for reproduction cat.2
7	Bis(tributyltin)oxide, hexabutyldistannoxane(TBTO)	56-35-9	PBT
8	Cobalt (2+) dichloride	7646-79-9	PBT, vPvB
9	Diarsenic Pentoxide	1303-28-2	Carcinogen, Cat 1
10	Diarsenic trioxide	1327-53-3	Carcinogen, Cat 1
11	Dibutylphthalate (DBP)	84-74-2	Toxic for reproduction cat.2
12	HBCDD/ 1,3,5,7,9,11- HBCDD	25637-99-4/ 3194-55-6/ 134237-50-6/ 134237-51-7/ 134237-52-8	PBT
13	Lead hydrogen arsenate	7784-40-9	Carcinogen, Cat 1, Toxic to reproduction, Cat 1
14	Sodium dichromate	7789-12-0	Carcinogen, cat 2; Mutagen, cat 2, Toxic for reproduction
15	Triethyl arsenate	15606-95-8	Carcinogen, Cat 1
16	2,4-Dinitrotoluene	121-14-2	Carcinogen, category 2
17	Anthracene Oil	90640-80-5	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2

Sl.No.	Substance name	CAS No.	Category
18	Anthracene oil, anthracene paste	90640-81-6	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2, Mutagen, category 2
19	Anthracene Oil, anthracene paste, anthracene fraction	91995-15-2	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2, Mutagen, category 2
20	Anthracene Oil, anthracene paste, distn. Lights	91995-17-4	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2Mutagen, category 2
21	Anthracene Oil, anthracene –Low	90640-82-7	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2 Mutagen, category 2
22	Diisobutyl phthalate	84-69-5	Toxic for reproduction category 2
23	Lead chromate	7758-97-6	Carcinogen, category 2; Toxic for reproduction category 1
24	Lead chromate molybdate sulfate red (C.I Pigment Red 104)	12656-85-8	Carcinogen, category 2; Toxic for reproduction category 1
25	Lead sulfochromate yellow (C.I Pigment Yellow 34)	1344-37-2	Carcinogen, category 2; Toxic for reproduction category 1
26	Coaltar pitch, high temperature	65996-93-2	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2
27	Tris(2-chloroethyl) phosphate	115-96-8	Toxic for reproduction category 2
28	Acrylamide	79-06-1	Toxic (T), Carcinogenic Cat. 2, Mutagenic Cat. 2 reproduction Cat. 3
29	Ammonium Dichromate	7789-09-5	Carcinogenic, Mutagenic and Toxic to reproduction
30	Boric Acid	10043-35-3	Carcinogenic, Mutagenic and Toxic to reproduction
31	Disodium Tetraborate, anhydrous	1330-43-4	Carcinogenic, Mutagenic and Toxic to reproduction
32	Potassium Chromate	7789-00-6	Carcinogenic, Mutagenic and Toxic to reproduction
33	Potassium Dichromate	7778-50-9	Carcinogenic, Mutagenic and Toxic to reproduction
34	Sodium Chromate	7775-11-3	Carcinogenic, Mutagenic and Toxic to reproduction
35	Tetraboran Disodium heptaoxide hydrate	12267-73-1	Carcinogenic, Mutagenic and Toxic to reproduction
36	Trichloroethylene	79-01-6	Carcinogenic, Mutagenic and Toxic to reproduction
37	2-Ethoxyethanol	110-80-5	Carcinogenic, Mutagenic and Toxic to reproduction

Sl.No.	Substance name	CAS No.	Category
38	2-Methoxyethanol	109-86-4	Carcinogenic, Mutagenic and Toxic to reproduction
39	Acids generated from chromium trioxide and their oligomers	7738-94-5, 13530-68-2	Carcinogenic, Mutagenic and Toxic to reproduction
40	Chromium trioxide	1333-82-0	Carcinogenic, Mutagenic and Toxic to reproduction
41	Cobalt (II) carbonate	513-79-1	Carcinogenic, Mutagenic and Toxic to reproduction
42	Cobalt (II) diacetate	71-48-7	Carcinogenic, Mutagenic and Toxic to reproduction
43	Cobalt (II) dinitrate	10141-05-6	Carcinogenic, Mutagenic and Toxic to reproduction
44	Cobalt (II) sulphate	10124-43-3	Carcinogenic, Mutagenic and Toxic to reproduction
45	1,2,3-trichloropropane	96-18-4	Art. 57 (a) & (c), carcinogenic & toxic for reproduction
46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	Art. 57 (c), toxic for reproduction
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	Art. 57 (c), toxic for reproduction
48	1-methyl-2-pyrrolidone	872-50-4	Art. 57 (c), toxic for reproduction
49	2-ethoxyethyl acetate	111-15-9	Art. 57 (c), toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	Art. 57 (a), carcinogenic
51	Strontium chromate	7789-06-2	Art. 57 (a), carcinogenic
52	1,2-Dichloroethane	107-06-2	Art. 57 (a), carcinogenic
53	2,2'-Dichloro-4,4'-methylenedianiline	101-14-4	Art. 57 (a), carcinogenic
54	2-Methoxyaniline; o-Anisidine	90-04-0	Art. 57 (a), carcinogenic
55	4-(1,1,3,3-Tetramethylbutyl) phenol. 4-tert-octyl phenol	140-66-9	Art. 57 (f), equivalent level of concern having probable serious effects to the environment
56	Aluminosilicate, Refractory Ceramic Fibers (RCF)	-	Carcinogen, category 2
57	Arsenic acid	7778-39-4	Art. 57 (a), carcinogenic
58	Bis(2-methoxyethyl) ether	111-96-6	Art. 57 (c), toxic for reproduction
59	Bis(2-methoxyethyl) phthalate	117-82-8	Art. 57 (c), toxic for reproduction
60	Calcium arsenate	7778-44-1	Art. 57 (a), carcinogenic
61	Dichromium tris(chromate)	24613-89-6	Art. 57 (a), carcinogenic
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	Art. 57 (a), carcinogenic
63	Lead diazide, Lead azide	13424-46-9	Art. 57 (c), toxic for reproduction

Sl.No.	Substance name	CAS No.	Category
64	Lead dipicrate	6477-64-1	Art. 57 (c), toxic for reproduction
65	Lead styphnate	15245-44-0	Art. 57 (c), toxic for reproduction
66	N, N-dimethylacetamide	127-19-5	Art. 57 (c), toxic for reproduction
67	Pentazinc chromate octahydroxide	49663-84-5	Art. 57 (a), carcinogenic
68	Phenolphthalein	77-09-8	Art. 57 (a), carcinogenic
69	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	Art. 57 (a), carcinogenic
70	Trilead diarsenate	3687-31-8	Art. 57 (a) & (c), carcinogenic & toxic for reproduction
71	Zirconia Aluminosilicate, Refractory Ceramic Fibers (RCF)	-	Carcinogen, category 2
72	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	Art. 57 (c), toxic for reproduction
73	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	Art. 57 (c), toxic for reproduction
74	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)Tris (epoxy propyl) isocyanurate	2451-62-9	Mutagenic (Article 57b)
75	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	Mutagenic (Article 57b)
76	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	Art. 57 (a), carcinogenic
77	4,4'bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	Art. 57 (a), carcinogenic
78	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Violet 3)	548-62-9	Art. 57 (a), carcinogenic
79	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Blue 26)	2580-56-5	Art. 57 (a), carcinogenic
80	Diboron trioxide	1303-86-2	Art. 57 (c), toxic for reproduction
81	Formamide	75-12-7	Art. 57 (c), toxic for reproduction
82	Lead (II) bis (methane sulfonate)	17570-76-2	Art. 57 (c), toxic for reproduction
83	N, N, N', N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	Art. 57 (a), carcinogenic
84	α, α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	Art. 57 (a), carcinogenic

Sl.No.	Substance name	CAS No.	Category
85	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	Toxic for reproduction (Article 57 c)
86	1,2-Diethoxyethane	629-14-1	Toxic for reproduction (Article 57 c)
87	1-bromopropane; n-propyl bromide	106-94-5	Toxic for reproduction (Article 57 c)
88	3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazolidine	143860-04-2	Toxic for reproduction (Article 57 c)
89	4,4'-methylenedi-o-toluidine	838-88-0	Carcinogenic (Article 57a)
90	4,4'-oxydianiline and its salts	101-80-4	Carcinogenic (Article 57a); Mutagenic (Article 57b)
91	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated	-	Equivalent level of concern having probable serious effects to the environment (Article57 f)
92	4-Aminoazobenzene. 4-phenylazoaniline	60-09-3	Carcinogenic (Article 57a)
93	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	Carcinogenic (Article 57a)
94	4-Nonylphenol, branched and linear	NA	Equivalent level of concern having probable serious effects to the environment (Article57 f)
95	6-methoxy-m-toluidine (p-cresidine)	120-71-8	Carcinogenic (Article 57a)
96	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	Toxic for reproduction (Article 57 c)
97	Acetic acid, lead salt, basic	51404-69-4	Toxic for reproduction (Article 57 c)
98	Biphenyl-4-ylamine	92-67-1	Carcinogenic (Article 57a)
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	PBT (Article 57 d); vPvB (Article 57 e)
100	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	Equivalent level of concern having probable serious effects to human health (Article 57f)
101	Diazene-1,2-dicarboxamide (C, C'-azodi(formamide))	123-77-3	Equivalent level of concern having probable serious effects to human health (Article 57f)
102	Dibutyltin dichloride (DBTC)	683-18-1	Toxic for reproduction (Article 57 c)
103	Diethyl sulphate	64-67-5	Carcinogenic (Article 57a); Mutagenic (Article 57b)
104	Diisopentylphthalate (DIPP)	605-50-5	Toxic for reproduction (Article 57 c)
105	Dimethyl sulphate	77-78-1	Carcinogenic (Article 57a

Sl.No.	Substance name	CAS No.	Category
106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	Toxic for reproduction (Article 57 c)
107	Dioxobis(stearato)trilead	12578-12-0	Toxic for reproduction (Article 57 c)
108	Fatty acids, C16-18, lead salts	91031-62-8	Toxic for reproduction (Article 57 c)
109	Furan	110-00-9	Carcinogenic (Article 57a)
110	Henicosafluoroundecanoic acid	2058-94-8	vPvB (Article 57 e)
111	Heptacosafluorotetradecanoic acid	376-06-7	vPvB (Article 57 e)
112	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Equivalent level of concern having probable serious effects to human health (Article 57f)
113	Lead bis(tetrafluoroborate)	13814-96-5	Toxic for reproduction (Article 57 c)
114	Lead cynamidate	20837-86-9	Toxic for reproduction (Article 57 c)
115	Lead dinitrate	10099-74-8	Toxic for reproduction (Article 57 c)
116	Lead oxide (lead monoxide)	1317-36-8	Toxic for reproduction (Article 57 c)
117	Lead oxide sulfate (basic lead sulfate)	12036-76-9	Toxic for reproduction (Article 57 c)
118	Lead titanium trioxide	12060-00-3	Toxic for reproduction (Article 57 c)
119	Lead Titanium Zirconium Oxide	12626-81-2	Toxic for reproduction (Article 57 c)
120	Methoxy acetic acid	625-45-6	Toxic for reproduction (Article 57 c)
121	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	Carcinogenic (Article 57a); Mutagenic (Article 57b)
122	N, N-dimethylformamide	68-12-2	Toxic for reproduction (Article 57 c)
123	N-methylacetamide	79-16-3	Toxic for reproduction (Article 57 c)
124	N-pentyl-isopentylphthalate	776297-69-9	Toxic for reproduction (Article 57 c)
125	o-aminoazotoluene	97-56-3	Carcinogenic (Article 57a)
126	o-Toluidine;2-Amino toluene	95-53-4	Carcinogenic (Article 57a)
127	Lead tetroxide (orange lead)	1314-41-6	Toxic for reproduction (Article 57 c)
128	Pentacosafluorotridecanoic acid	72629-94-8	vPvB (Article 57 e)
129	Pentalead tetraoxide sulphate	12065-90-6	Toxic for reproduction (Article 57 c)
130	Pyrochlore, antimony lead yellow	8012-00-8	Toxic for reproduction (Article 57 c)
131	Silicic acid, barium salt, lead-doped	68784-75-8	Toxic for reproduction (Article 57 c)
132	Silicic acid, lead salt	11120-22-2	Toxic for reproduction (Article 57 c)
133	Sulfurous acid, lead salt, dibasic	62229-08-7	Toxic for reproduction (Article 57 c)
134	Tetraethyl lead	78-00-2	Toxic for reproduction (Article 57 c)
135	Tetra lead trioxide sulphate	12202-17-4	Toxic for reproduction (Article 57 c)
136	Tricosafluorododecanoic acid	307-55-1	vPvB (Article 57 e)

Sl.No.	Substance name	CAS No.	Category
137	Trilead bis(carbonate)dihydroxide	1319-46-6	Toxic for reproduction (Article 57 c)
138	Trilead dioxide phosphonate	12141-20-7	Toxic for reproduction (Article 57 c)
139	4-Nonyl Phenol, Branched and Linear, Ethoxylated	-	Equivalent level of concern having probable Serious effects to the environment (Article 57f)
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Toxic for reproduction (Article 57 c). PBT (Article 57 d)
141	Cadmium	7440-43-9	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
142	Cadmium Oxide	1306-19-0	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
143	Dipentyl Phthalate	131-18-0	Toxic for reproduction (Article 57 c)
144	Pentadecafluorooctanoic Acid (PFOA)	335-67-1	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
145	Cadmium Sulphide	1306-23-6	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
146	Dihexyl phthalate	84-75-3	Toxic for reproduction (Article 57 c)
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Carcinogenic (Article 57a)
148	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 Black38)	1937-37-7	Carcinogenic (Article 57a)
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	Toxic for reproduction (Article 57 c)
150	Lead di(acetate)	301-04-2	Toxic for reproduction (Article 57 c)
151	Trixylyl phosphate	25155-23-1	Toxic for reproduction (Article 57 c)
152	1,2- Bezenedicarboxylic Acid, Dihexyl Ester Branched and Linear	68515-50-4	Toxic for reproduction (Article 57 c)
153	Cadmium Chloride	10108-64-2	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
154	Sodium Perborate; Perboric Acid, Sodium Salt	-	Toxic for reproduction (Article 57 c)
155	Sodium Peroxometaborate	7632-04-4	Toxic for reproduction (Article 57 c)

Sl.No.	Substance name	CAS No.	Category
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	PBT (Article 57 d); vPvB (Article 57 e)
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	PBT (Article 57 d); vPvB (Article 57 e)
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	Toxic for reproduction (Article 57 c)
159	Cadmium fluoride	7790-79-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
160	Cadmium sulphate	10124-36-4, 31119-53-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
161	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) individual isomers or a combination thereof)	-	Toxic for reproduction (Article 57 c)
162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5, 68648-93-1	Toxic for reproduction (Article 57 c)
163	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]	-	vPvB (Article 57 c)
164	1,3-propanesultone	1120-71-4	Carcinogenic (Article 57 a)
165	2,4-di-tert-butyl-6-(5-chlorobenzotria zol -2-yl) phenol (UV-327)	3864-99-1	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV350)	36437-37-3	vPvB (Article 57 e)
167	Nitrobenzene	98-95-3	Toxic for reproduction (Article 57 c)
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	Toxic for reproduction (Article 57 c) PBT (Article 57 d)

Sl.No.	Substance name	CAS No.	Category
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	Carcinogenic (Article 57a), Mutagenic (Article 57b), Toxic for reproduction (Article 57c), PBT (Article 57d), vPvB (Article 57e)
170	4,4'-isopropylidenediphenol (Bisphenol A; BPA)	80-05-7	Toxic for reproduction (Article 57 c)
171	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]	-	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
173	þ-(1,1-dimethylpropyl) phenol	80-46-6	Equivalent level of concern having probable serious effects to the environment (Article57 f)
174	Perfluorohexane-1-Sluphonic acid and its salts	-	vPvB (Article 57e)
175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1^{6,9}.0^{2,13}.0^{5,10}]octadeca-7,15-diene ("Dechlorane Plus"^{TM}) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	vPvB (Article 57e)
176	Benz[a]anthracene	56-55-3	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
177	Cadmium carbonate	513-78-0	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
178	Cadmium hydroxide	21041-95-2	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
179	Cadmium nitrate	10325-94-7	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
180	Chrysene	218-01-9	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)

Sl.No.	Substance name	CAS No.	Category
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear	-	Endocrine disrupting properties (Article 57(f) – environment)
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	Respiratory sensitizing properties (Article 57(f) - human health)
183	Benzo[ghi]perylene	191-24-2	PBT (Article 57d) vPvB (Article 57e)
184	Decamethylcyclopentasiloxane (D5)	541-02-6	PBT (Article 57d) vPvB (Article 57e)
185	Dicyclohexyl phthalate (DCHP)	84-61-7	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - human health)
186	Disodium octaborate	12008-41-2	Toxic for reproduction (Article 57c)
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	PBT (Article 57d) vPvB (Article 57e)
188	Ethylene diamine (EDA)	107-15-3	Respiratory sensitizing properties (Article 57(f) - human health) anthracene
189	Lead	7439-92-1	Toxic for reproduction (Article 57c)
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	PBT (Article 57d) vPvB (Article 57e)
191	Terphenyl hydrogenated	61788-32-7	vPvB (Article 57e)
192	1,7,7-Trimethyl-3-(phenyl methylene) Bicyclo(2.2.1) Heptan-2-one	15087-24-8	Endocrine Disrupting properties (Article 57(f) Environment)
193	2,2-Bis(4'-Hydroxyphenyl)-4-Methylpentane	6807-17-6	Toxic for reproduction (article 57C)
194	Benzo(k) Fluoranthene	207-08-9	Carcinogenic (article 57a) PBT (Article 57d) vPvB (Article 57e)
195	Fluoranthene	206-44-0	PBT (Article 57d) vPvB (Article 57e)
196	Phenanthrene	85-01-8	vPvB (Article 57e)
197	Pyrene	129-00-0	PBT (Article 57d) vPvB (Article 57e)
198	2,3,3,3 Tetrafluoro-2 (heptafluoropropoxy) propionic acid its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	Equivalent level of concern having probable serious effects to the environment & Human Health (Article 57(f) Environment & Human Health)
199	2 methoxyethyl acetate	110-49-6	Toxic for reproduction (Article 57 (c))
200	4-tert-butylphenol	98-54-4	Endocrine disrupting properties (article 57(f) Environment
201	Tris (4-nonylphenyl branched and linear) Phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol branched & linear (4-NP)	-	Endocrine disrupting properties (article 57(f) Environment

Sl.No.	Substance name	CAS No.	Category
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	Toxic for reproduction
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Toxic for reproduction
204	Diisohexyl phthalate	71850-09-4	Toxic for reproduction
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)
206	1-Vinylimidazole	1072-63-5	Toxic for reproduction (Article 57c)
207	2-methyllimidazole	693-98-1	Toxic for reproduction (Article 57c)
208	Butyl 4-Hydroxybenzoate (Butyl paraben)	94-26-8	Endocrine disrupting properties – Human health article 57(f) Human health
209	Dibutylbis (pentane-2,4-dionato-O, O') tin	22673-19-4	Toxic for reproduction (Article 57c)
210	Bis(2-(2-methoxyethoxy) ethyl) ether	143-24-8	Toxic for reproduction (Article 57c)
211	Dioctyltin 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	-	Toxic for reproduction (Article 57 (c))
212	1,4-dioxane	123-91-1	Carcinogenic (Article 57a) #Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) #Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
213	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)	-	Carcinogenic (Article 57a)
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	Toxic for reproduction (Article 57c)
215	4,4'-(1-methylpropylidene) bisphenol	77-40-7	Endocrine disrupting properties (Article 57(f) - environment) #Endocrine disrupting properties (Article 57(f) - human health)
216	Glutaral	111-30-8	Respiratory sensitizing properties (Article 57(f) - human health)

Sl.No.	Substance name	CAS No.	Category
217	Medium-chain chlorinated paraffin's (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17	-	PBT (Article 57d) #vPvB (Article57e)
218	Orthoboric acid, sodium salt	13840-56-7	Toxic for reproduction (Article 57c)
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	Toxic for reproduction (Article 57c) #Endocrine disrupting properties (Article 57(f) - environment) #Endocrine disrupting properties (Article 57(f) - human health)
220	(±)-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)	-	Endocrine disrupting properties (Article 57(f) - human health)
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	Toxic for reproduction (Article 57c)
222	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	PBT (Article 57d)
223	Tris(2-methoxyethoxy) vinylsilane	1067-53-4	Toxic for reproduction (Article 57c)
224	N-(hydroxymethyl)acrylamide	924-42-5	Carcinogenic (Article 57a), Mutagenic (Article 57b)
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	vPvB (Article 57 e)
226	2,2',6,6'-tetrabromo-4,4' isopropylidenediphenol	79-94-7	Carcinogenic (Article 57a)
227	4,4'-sulphonyldiphenol	80-09-1	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
228	Barium diboron tetraoxide	13701-59-2	Toxic for reproduction (Article 57c)
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	vPvB (Article 57 e)

Sl.No.	Substance name	CAS No.	Category
230	Isobutyl 4-hydroxybenzoate	4247-02-3	Endocrine disrupting properties (Article 57(f) - human health)
231	Melamine	108-78-1	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
232	Perfluoroheptanoic acid and its salts	-	Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
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	-	vPvB (Article 57 e)
234	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	Toxic for reproduction (Article 57c)
235	Bis(4-chlorophenyl) sulphone	80-07-9	vPvB (Article 57 e)

4. Description of the Samples:

Sl. No.	Material Description	Identification
01	CO POLYMER COATED ECCS TAPE-CJB	--

5. Test Results

The test results for the tested Part does not show the presence of any one of the identified 235 SVHC's as per the Authorization list and the Candidate List subject to Authorization released by ECHA. The concentration of individual SVHC is well below the 0.1% wt./wt. threshold limit.

5.1 Conclusion

The concentration of SVHC in the tested sample is well within the limit (0.1% wt./wt.)

NOTE: This report is prepared based on the sample provided at the time of testing. Should there be any changes in the composition or the process of the product TÜV Rheinland will not be responsible for any damages / liabilities.

Detailed Test Results for 235 SVHC's:

Quantification and Screening of 235 Substance of Very High Concern (SVHC) in Authorization List and Candidate List 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 29 subject to authorization.

Test Method:

1) Quantification by ICP-OES: Test portion is digested with acid and assisted with microwave, the elements are analysed by ICP-OES
2) Quantification and Screening by GC-MS: Test portion is extracted with organic solvent, the extracted solution are analysed by GC-MS.
3) Quantification by LC-MS: Test portion is extracted with organic solvent, the extracted solution are analysed by LC-MS/MS.
4) Quantification by GC-FID & ECD: Test portion is extracted with organic solvent, the extracted solution are analysed by GC-FID & ECD.
5) Quantification by HPLC: Test portion is extracted with organic solvent, the extracted solution are analysed by HPLC

TEST RESULTS
PART – 1

TC- 5688

ULR No: TC568824500046701F

Sl. No.	Substance name	CAS No.	Results (%)
1	4-4'-Diaminodiphenylmethane	101-77-9	ND
2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	ND
3	(Short Chain Chlorinated Paraffins) C10-13, (SCCP)	85535-84-8	ND
4	Benzylbutylphthalate (BBP)	85-68-7	ND
5	Bis (2-ethyl(hexyl)phthalate) DEHP)	117-81-7	ND
6	Bis(tributyltin)oxide, hexabutyldistannoxane (TBTO)	56-35-9	ND
7	Dibutylphthalate (DBP)	84-74-2	ND
8	HBCDD/ 1,3,5,7,9,11- HBCDD	25637-99-4/ 3194-55-6	ND
9	2,4-Dinitrotoluene	121-14-2	ND
10	Diisobutyl phthalate	84-69-5	ND
11	Tris(2-chloroethyl) phosphate	115-96-8	ND
12	Acrylamide	79-06-1	ND
13	Trichloroethylene	79-01-6	ND
14	2-Ethoxyethanol	110-80-5	ND
15	2-Methoxyethanol	109-86-4	ND
16	1,2,3-trichloropropane	96-18-4	ND
17	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	ND
18	1-methyl-2-pyrrolidone	872-50-4	ND
19	2-ethoxyethyl acetate	111-15-9	ND
20	Hydrazine	302-01-2	ND
21	1,2-Dichloroethane	107-06-2	ND
22	2,2'-Dichloro-4,4'-methylenedianiline	101-14-4	ND
23	2-Methoxyaniline; o-Anisidine	90-04-0	ND
24	4-(1,1,3,3-Tetramethylbutyl) phenol; 4-tert-octyl phenol	140-66-9	ND
25	Bis(2-methoxyethyl) phthalate	117-82-8	ND
26	N, N-dimethylacetamide	127-19-5	ND
27	Phenolphthalein	77-09-8	ND
28	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	ND

ULR No: TC568824500046701F

TC- 5688

Sl. No.	Substance name	CAS No.	Results (%)
29	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)Tris (epoxy propyl)isocyanurate	2451-62-9	ND
30	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	ND
31	4,4'-bis(dimethylamino)-4''- (methyl amino) trityl alcohol	561-41-1	ND
32	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	ND
33	N, N, N', N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	ND
34	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Violet3)	548-62-9	ND
35	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino) phenyl] methylene] cyclohexa-2,5-dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Blue 26)	2580-56-5	ND
36	Formamide	75-12-7	ND
37	α, α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	ND
38	1,2-Diethoxyethane	629-14-1	ND
39	1-bromopropane; n-propyl bromide	106-94-5	ND
40	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	ND
41	4,4'-methylenedi-o-toluidine	838-88-0	ND
42	4,4'-oxydianiline and its salts	101-80-4	ND
43	4-Aminoazobenzene;4-phenylazoaniline	60-09-3	ND
44	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	ND
45	6-methoxy-m-toluidine (p-cresidine)	120-71-8	ND
46	Biphenyl-4-ylamine	92-67-1	ND
47	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	ND
48	Diazene-1,2-dicarboxamide (C, C'-azodi(formamide)	123-77-3	ND
49	Diethyl sulphate	64-67-5	ND
50	Diisopentylphthalate (DIPP)	605-50-5	ND
51	Dimethyl sulphate	77-78-1	ND
52	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	ND

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Sl. No.	Substance name	CAS No.	Results (%)
53	Henicosafluoroundecanoic acid	2058-94-8	ND
54	Heptacosafluorotetradecanoic acid	376-06-7	ND
55	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	ND
56	Methoxy acetic acid	625-45-6	ND
57	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	ND
58	N, N-dimethylformamide	68-12-2	ND
59	N-methylacetamide	79-16-3	ND
60	o-aminoazotoluene	97-56-3	ND
61	o-Toluidine; 2-Aminotoluene	95-53-4	ND
62	Pentacosafluorotridecanoic acid	72629-94-8	ND
63	Tricosafluorododecanoic acid	307-55-1	ND
64	4-Nonyl phenol, branched and linear, ethoxylated	-	ND
65	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND
66	Dipentyl Phthalate	131-18-0	ND
67	Pentadecafluorooctanoic Acid (PFOA)	335-67-1	ND
68	Dihexyl phthalate	84-75-3	ND
69	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND
70	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	ND
71	Imidazolidine-2-thione (2-imidazoline-2-thiol) Ethylene Thiourea	96-45-7	ND
72	Trixylyl phosphate	25155-23-1	ND
73	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	ND
74	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	ND
75	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5	ND
76	1,3-propanesultone	1120-71-4	ND
77	2,4-di-tert-butyl-6-(5-chlorobenzotriazol -2-yl) phenol (UV-327)	3864-99-1	ND
78	Nitrobenzene	98-95-3	ND
79	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	ND

ULR No: TC568824500046701F

TC- 5688

Sl. No.	Substance name	CAS No.	Results (%)
80	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	ND
81	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	ND
82	þ-(1,1-dimethylpropyl) phenol	80-46-6	ND
83	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1^{6,9}.0^{2,13}.0^{5,10}]octadeca-7,15-diene ("Dechlorane Plus"^{TM}) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	ND
84	Benz[a]anthracene	56-55-3	ND
85	Chrysene	218-01-9	ND
86	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	ND
87	Benzo[ghi]perylene	191-24-2	ND
88	Decamethylcyclopentasiloxane (D5)	541-02-6	ND
89	Dicyclohexyl phthalate (DCHP)	84-61-7	ND
90	Dodecamethylcyclohexasiloxane (D6)	540-97-6	ND
91	Ethylene diamine (EDA)	107-15-3	ND
92	Octamethylcyclotetrasiloxane (D4)	556-67-2	ND
93	Terphenyl hydrogenated	61788-32-7	ND
94	Bis(2-methoxyethyl) ether	111-96-6	ND
95	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND
96	1,2- Bezenedicarboxylic Acid,Dihexyl Ester Branched and Linear	68515-50-4	ND
97	Perfluorohexane-1-Sulphonic acid and its salts	-	ND
98	Phenanthrene	85-01-8	ND
99	4-tert-butylphenol	98-54-4	ND
100	Butyl 4-Hydroxybenzoate (Butyl paraben)	94-26-8	ND
101	1-Vinylimidazole	1072-63-5	ND
102	2-methylimidazole	693-98-1	ND
103	Bis(2-(2-methoxyethoxy) ethyl)ether	143-24-8	ND
104	2-methoxyethyl acetate	110-49-6	ND

----- End of Part-I Test Report ----

TEST RESULTS
PART – 2

Sl. No	Substance name	CAS No.	Results (%)
105	Anthracene	120-12-7	ND
106	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated)	-	ND
107	Anthracene oil (*3)	90640-80-5	ND
108	Anthracene oil, Anthracene Paste (*3)	90640-81-6	ND
109	Anthracene oil, Anthracene Paste, Anthracene fraction (*3)	91995-15-2	ND
110	Anthracene oil, Anthracene Paste, distn.lights (*3)	91995-17-4	ND
111	Anthracene oil, Anthracene-Low (*3)	90640-82-7	ND
112	1,2 dimethoxyethane, ethylene glycol dimethyl ether	110-71-4	ND
113	1,2 –benzene dicarboxylic acid, dipentyl ester, branched and linear	84777-06-0	ND
114	Fatty acids, C16-C18, lead salts (*1)	91031-62-8	ND
115	4-Nonyl phenol, branched and linear	-	ND
116	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5 dithia-4-stannatetradecanoate (DOTE) (*5)	15571-58-1	ND
117	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl -7-oxo-8-oxo-3,5-dithia-4-stannatetradecanoate and (2-ethylhexyl) oxy)-2-oxoethyl) thio)-4-octyl -7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE) individual isomers or a combination thereof) (*5) (*6)	-	ND
118	Perfluorononan-1-oic acid and its sodium and ammonium salts	375-95-1,	ND
119	Cobalt (2+) dichloride (*1)	7646-79-9	ND
120	Diarsenic Pentoxide (*1)	1303-28-2	ND
121	Diarsenic trioxide (*1)	1327-53-3	ND
122	Lead hydrogen arsenate (*1)	7784-40-9	ND
123	Sodium dichromate (*2)	7789-12-0	ND
124	Triethyl arsenate (*1)	15606-95-8	ND
125	Lead chromate (*1) (*2)	7758-97-6	ND
126	Lead chromate molybdate sulfate red (C.I Pigment Red (104) (*1) (*2)	12656-85-8	ND
127	Lead sulfochromate yellow (C.I Pigment Yellow 34) (*1)	1344-37-2	ND
128	Ammonium Dichromate (*2)	7789-09-5	ND
129	Boric Acid (*1) (*4)	10043-35-3	ND

Sl. No	Substance name	CAS No.	Results (%)
130	Disodium Tetraborate, anhydrous (*1) (*4)	1330-43-4	ND
131	Potassium Chromate (*2)	7789-00-6	ND
132	Potassium Dichromate (*2)	7778-50-9	ND
133	Sodium Chromate (*2)	7775-11-3	ND
134	Tetraboran disodium heptaoxide hydrate (*1) (*4)	12267-73-1	ND
135	Acids generated from chromium trioxide and their Oligomers (*2)	7738-94-5, 13530-68-2	ND
136	Chromium trioxide (*2)	1333-82-0	ND
137	Cobalt (II) carbonate (*1)	513-79-1	ND
138	Cobalt (II) diacetate (*1)	71-48-7	ND
139	Cobalt (II) dinitrate (*1)	10141-05-6	ND
140	Cobalt (II) sulphate (*1)	10124-43-3	ND
141	Strontium chromate (*2)	7789-06-2	ND
142	Aluminosilicate, Refractory Ceramic Fibers (RCF)	-	ND
143	Arsenic acid (*1)	7778-39-4	ND
144	Calcium arsenate (*1)	7778-44-1	ND
145	Dichromium tris(chromate) (*2)	24613-89-6	ND
146	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	ND
147	Lead diazide, Lead azide (*1)	13424-46-9	ND
148	Lead dipicrate (*1)	6477-64-1	ND
149	Lead styphnate (*1)	15245-44-0	ND
150	Pentazinc chromate octahydroxide (*2)	49663-84-5	ND
151	Potassium hydroxyoctaoxodizincatedichromate (*2)	11103-86-9	ND
152	Trilead diarsenate (*1)	3687-31-8	ND
153	Zirconia Aluminosilicate, Refractory Ceramic Fibers (RCF)	-	ND
154	Diboron trioxide (*1) (*4)	1303-86-2	ND
155	Lead (II) bis (methane sulfonate) (*1)	17570-76-2	ND
156	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) (*1)	69011-06-9	ND
157	Acetic acid, lead salt, basic (*1)	51404-69-4	ND
158	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	ND
159	Dibutyltin dichloride (DBTC) (*1)	683-18-1	ND

Sl. No	Substance name	CAS No.	Results (%)
160	Dioxobis(stearato)trilead (*1)	12578-12-0	ND
161	Furan	110-00-9	ND
162	Lead bis(tetrafluoroborate) (*1)	13814-96-5	ND
163	Lead cynamidate (*1)	20837-86-9	ND
164	Lead dinitrate (*1)	10099-74-8	ND
165	Lead oxide (lead monoxide) (*1)	1317-36-8	ND
166	Lead oxide sulfate (basic lead sulfate) (*1)	12036-76-9	ND
167	Lead titanium trioxide (*1)	12060-00-3	ND
168	Lead Titanium Zirconium Oxide (*1)	12626-81-2	ND
169	N-pentyl-isopentylphthalate	776297-69-9	ND
170	Lead tetroxide (orange lead) (*1)	1314-41-6	ND
171	Pentalead tetraoxide sulphate (*1)	12065-90-6	ND
172	Pyrochlore, antimony lead yellow (*1)	8012-00-8	ND
173	Silicic acid, barium salt, lead-doped (*1)	68784-75-8	ND
174	Silicic acid, lead salt (*1)	11120-22-2	ND
175	Sulfurous acid, lead salt, dibasic (*1)	62229-08-7	ND
176	Tetraethyl lead (*1)	78-00-2	ND
177	Tetralead trioxide sulphate (*1)	12202-17-4	ND
178	Trilead bis(carbonate)dihydroxide (*1)	1319-46-6	ND
179	Trilead dioxide phosphonate (*1)	12141-20-7	ND
180	Cadmium (*1)	7440-43-9	ND
181	Cadmium Oxide (*1)	1306-19-0	ND
182	Cadmium sulphide (*1)	1306-23-6	ND
183	Lead di(acetate) (*1)	301-04-2	ND
184	Cadmium Chloride (*1)	10108-64-2	ND
185	Sodium Perborate; Perboric Acid, Sodium Salt (*1) (*4)	-	ND
186	Sodium Peroxometaborate (*1) (*4)	7632-04-4	ND
187	Cadmium fluoride (*1)	7790-79-6	ND
188	Cadmium sulphate (*1)	10124-36-4, 31119-53-6	ND
189	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]		ND
190	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	ND

Sl. No	Substance name	CAS No.	Results (%)
191	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]	-	ND
192	Coaltar pitch, high temperature (*3)	65996-93-2	ND
193	Cadmium carbonate (*1)	513-78-0	ND
194	Cadmium hydroxide (*1)	21041-95-2	ND
195	Cadmium nitrate (*1)	10325-94-7	ND
196	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	-	ND
197	Disodium octaborate (*4)	12008-41-2	ND
198	Lead	7439-92-1	ND
199	1,7,7-Trimethyl-3-(phenyl methylene) Bicyclo (2.2.1) Heptan-2-one	15087-24-8	ND
200	2,2-Bis (4'-Hydroxyphenyl)-4-Methylpentane	6807-17-6	ND
201	Benzo(k)Fluoranthene	207-08-9	ND
202	Fluoranthene	206-44-0	ND
203	Pyrene	129-00-0	ND
204	2,3,3,3 Tetrafluoro-2 (heptafluoropropoxy) propionic acid its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	ND
205	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	ND
206	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	ND
207	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	ND
208	Diisohexyl phthalate	71850-09-4	ND
209	Perfluorobutane sulfonic acid (PFBS) and its salts	-	ND
210	Dibutylbis (pentane-2,4-dionato-O, O') tin (*1)	22673-19-4	ND
211	Dioctyltin 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 (*5) (*6)	-	ND
212	1,4 -dioxane	123-91-1	ND
213	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);	-	ND

Sl.No.	Substance name	CAS No.	Results (%)
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	ND
215	4,4'-(1-methylpropylidene) bisphenol (BisPhenol B)	77-40-7	ND
216	Glutaral	111-30-8	ND
217	Medium Chain Chlorinated paraffin's (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	-	ND
218	Orthoboric acid, sodium salt (*1) (*4)	13840-56-7	ND
219	Phenol, alkylation products (Mainly in para position) with C12 – rich branched alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)	-	ND
220	(±)1,7,7 trimethyl 3 {(4 methyl phenyl) methylene} bicycle (2.2.1) heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	ND
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-Cresol	119-47-1	ND
222	S-(tricycle (5.2.1.02.6) 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	ND
223	Tris (2-methoxyethoxy) vinylsilane	1067-53-4	ND
224	N-(hydroxymethyl)acrylamide	924-42-5	ND
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	ND
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	ND
227	4,4'-sulphonyldiphenol	80-09-1	ND
228	Barium diboron tetraoxide (*1) (*4)	13701-59-2	ND
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	ND
230	Isobutyl 4-hydroxybenzoate	4247-02-3	ND
231	Melamine	108-78-1	ND
232	Perfluoroheptanoic acid and its salts	-	ND
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	-	ND
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	ND
235	Bis(4-chlorophenyl) sulphone	80-07-9	ND

Note : ND denotes not detected, % denotes percentage

(*1).The substances are tested in term of its respective elements only (eg. As, Pb, Co, B, Sn, and cd). The actual concentration of its compound cannot be confirmed.

(*2).The substances are tested and calculated in terms of Cr(VI)

(*3).The Substances are UVCB (Substance of unknown are variable composition, complex reaction Products or biological materials), which are identified by its main constituents.

(*4).The substances are confirmed and tested in terms of Boric acid when Boron is detected in the sample.

(*5).The substances is tested and calculated in terms Dioctyl tin.

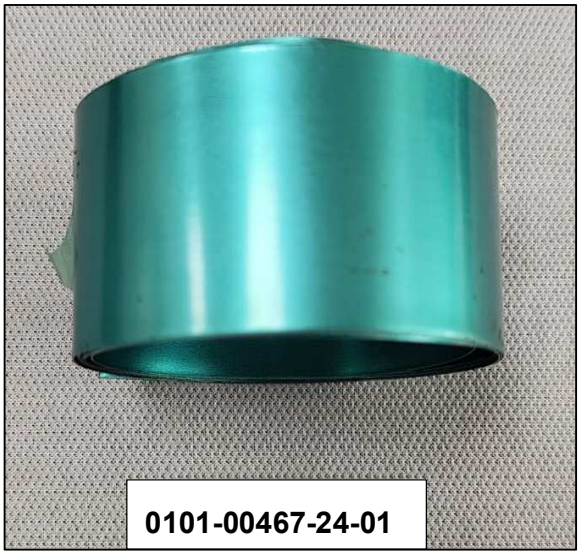
(*6).The substances is tested and calculated in terms Monooctyl tin and Dioctyl tin.

- Single substances with an amount of <0.01% were not considered by the calculation of the sum.
- In the case of all substances according to table were not detected, the result is stated not detected.
- Limit of Quantification for above SVHC's is 0.005%

---- End of Part-II Test Report ----

Remarks: The submitted Article complies with the SVHC obligation as per REACH regulation, as on date. The concentration of SVHC is well within the limit (0.1% wt/wt).

Test Item photograph:



---End of Test Report---