



# Test Report

No. B3B710073B3D5B0B0336

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Issued Date: 2024-07-19

**Applicant:** Suqian Hollia Arts&Crafts Co., Ltd  
**Address:** Building A25 No.88 Fumin Road Suqian 223800 Jiangsu Province P.R.China  
**Sample Name:** Rattan Diffuser Sticks  
**Sample Status And Description:** Red Color、Blue Color、Dark Blue、Orange Color、Purple Color、Black Color A、Black Color B、Brown Color、Bleached Color、Dark Red  
**Test ranges:** Mixed testing  
**Sample Source:** Send Sample  
**Sample Received Date:** 2024-07-10  
**Test Period:** 2024-07-10~2024-07-19  
**Test Type:** Commissioning Test  
**Test Requirement(s):** Very High Concern (SVHC) testing based on the list published by European Chemicals Agency (ECHA) as of 27 Jun 2024, regarding regulation (EC) No 1907/2006 concerning the REACH. Screening tests based on customer requirements.  
**Test Result(s) :** See the report below for details

Edited by: Ci Shuangshuang  
Ci Shuangshuang

Checked by: Zhang Yan  
Zhang Yan

Approved by: Zhang Yaoqiang  
Zhang Yaoqiang

Pony Testing Group Shanghai Co.,Ltd.

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
I	1	Triethyl arsenate <sup>(1)▲</sup>	US EPA 3052:1996 ICP-OES	Carcinogenic	427-700-2	15606-95-8	0.005
I	2	Sodium dichromate <sup>(1)▲</sup>	US EPA 3052:1996 US EPA 3060A:1996 ICP-OES UV-Vis	Carcinogenic Mutagenic Toxic for reproduction	234-190-3	10588-01-9 7789-12-0	0.01
I	3	Lead hydrogen arsenate <sup>(1)▲</sup>	US EPA 3052:1996 ICP-OES	Carcinogenic Toxic for reproduction	232-064-2	7784-40-9	0.01
I	4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) <sup>®</sup>	US EPA 3550C-2007 GC-MS	PBT	247-148-4 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	0.005
I	5	Dibutyl phthalate (DBP) <sup>®</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction Endocrine disrupting properties- environment Endocrine disrupting properties- human health	201-557-4	84-74-2	0.005
I	6	Diarsenic trioxide <sup>(1)▲</sup>	US EPA 3052:1996 ICP-OES	Carcinogenic	215-481-4	1327-53-3	0.01
I	7	Diarsenic pentaoxide <sup>(1)▲</sup>	US EPA 3052:1996 ICP-OES	Carcinogenic	215-116-9	1303-28-2	0.01
I	8	Cobalt dichloride <sup>(1)▲</sup>	US EPA 3052:1996 BS EN 14582:2016 ICP-OES IC	Carcinogenic Toxic for reproduction	231-589-4	7646-79-9	0.01
I	9	Bis(tributyltin) oxide (TBTO) <sup>▲®</sup>	US EPA 3052:1996 ISO 17353:2004 ICP-OES GC-MS	PBT	200-268-0	56-35-9	0.01

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I	10	Bis(2-ethylhexyl)phthalate (DEHP) <sup>o</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction Endocrine disrupting properties-environment Endocrine disrupting properties-human health	204-211-0	117-81-7	0.005
I	11	Benzyl butyl phthalate (BBP) <sup>o</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction Endocrine disrupting properties-human health	201-622-7	85-68-7	0.005
I	12	Anthracene <sup>o</sup>	AfPS GS 2019:01 PAK GC-MS	PBT	204-371-1	120-12-7	0.0005
I	13	Alkanes, C10-13, chloro (SCCP) <sup>o</sup>	US EPA 3540C:1996 GC-MS	PBT vPvB	287-476-5	85535-84-8	0.01
I	14	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) <sup>o</sup>	US EPA 3550C:2007 GC-MS	vPvB	201-329-4	81-15-2	0.005
I	15	4,4'-Diaminodiphenylmethane (MDA) <sup>o</sup>	EN ISO 14362-1:2017 GC-MS	Carcinogenic	202-974-4	101-77-9	0.005
II	16	Tris(2-chloroethyl) phosphate <sup>o</sup>	US EPA 3550C:2007 GC-MS	Toxic for reproduction	204-118-5	115-96-8	0.005
II	17	Pitch, coal tar, high-temp. <sup>(2)</sup> <sup>o</sup>	US EPA 3540C:1996 GC-MS	Carcinogenic PBT vPvB	266-028-2	65996-93-2	0.05
II	18	Lead sulfochromate yellow (C.I. Pigment Yellow 34) <sup>(3)</sup> ▲	US EPA 3052:1996 US EPA 3060A:1996 ICP-OES UV-Vis	Carcinogenic Toxic for reproduction	215-693-7	1344-37-2	0.005
II	19	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) <sup>(3)</sup> ▲	US EPA 3052:1996 US EPA 3060A:1996 ICP-OES UV-Vis	Carcinogenic Toxic for reproduction	235-759-9	12656-85-8	0.005

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II	20	Lead chromate <sup>(3)▲</sup>	US EPA 3052:1996 US EPA 3060A:1996 ICP-OES UV-Vis	Carcinogenic Toxic for reproduction	231-846-0	7758-97-6	0.005
II	21	Diisobutyl phthalate (DIBP) <sup>®</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction Endocrine disrupting properties- human health	201-553-2	84-69-5	0.005
II	22	Anthracene oil, anthracene-low <sup>(2)®</sup>	US EPA 3540C:1996 GC-MS	Carcinogenic Mutagenic PBT vPvB	292-604-8	90640-82-7	0.05
II	23	Anthracene oil, anthracene paste, distn. lights <sup>(2)®</sup>	US EPA 3540C:1996 GC-MS	Carcinogenic Mutagenic PBT vPvB	295-278-5	91995-17-4	0.05
II	24	Anthracene oil, anthracene paste, anthracene fraction <sup>(2)®</sup>	US EPA 3540C:1996 GC-MS	Carcinogenic Mutagenic PBT vPvB	295-275-9	91995-15-2	0.05
II	25	Anthracene oil, anthracene paste <sup>(2)®</sup>	US EPA 3540C:1996 GC-MS	Carcinogenic Mutagenic PBT vPvB	292-603-2	90640-81-6	0.05
II	26	Anthracene oil <sup>(2)®</sup>	US EPA 3540C:1996 GC-MS	Carcinogenic PBT vPvB	292-602-7	90640-80-5	0.05
II	27	2,4-dinitrotoluene <sup>®</sup>	US EPA 3550C:2007 GC-MS	Carcinogenic	204-450-0	121-14-2	0.01
II	28	Acrylamide <sup>®</sup>	US EPA 3550C:2007 GC-MS	Carcinogenic Mutagenic	201-173-7	79-06-1	0.005

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III	29	Trichloroethylene <sup>o</sup>	US EPA 5021:1996 HS-GC	Carcinogenic	201-167-4	79-01-6	0.01
III	30	Tetraboron disodium heptaoxide, hydrate <sup>(1)▲</sup>	US EPA 3052:1996 ICP-OES	Toxic for reproduction	235-541-3	12267-73-1	0.01
III	31	Sodium chromate <sup>(1)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic Mutagenic Toxic for reproduction	231-889-5	7775-11-3	0.01
III	32	Potassium dichromate <sup>(1)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic Mutagenic Toxic for reproduction	231-906-6	7778-50-9	0.01
III	33	Potassium chromate <sup>(1)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic Mutagenic	232-140-5	7789-00-6	0.01
III	34	Disodium tetraborate, anhydrous <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	215-540-4	12179-04-3 1303-96-4 1330-43-4	0.01
III	35	Boric acid, crude natural <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	233-139-2 234-343-4	10043-35-3 11113-50-1	0.01
III	36	Ammonium dichromate <sup>(1)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic Mutagenic Toxic for reproduction	232-143-1	7789-09-5	0.01
IV	37	Cobalt(II) sulphate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Toxic for reproduction	233-334-2	10124-43-3	0.01
IV	38	Cobalt(II) dinitrate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Toxic for reproduction	233-402-1	10141-05-6	0.01

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IV	39	Cobalt(II) diacetate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Toxic for reproduction	200-755-8	71-48-7	0.01
IV	40	Cobalt(II) carbonate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Toxic for reproduction	208-169-4	513-79-1	0.01
IV	41	Chromium trioxide <sup>(1)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic Mutagenic	215-607-8	1333-82-0	0.01
IV	42	Acids generated from chromium trioxide and their oligomers (Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid) <sup>(1)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic	231-801-5 236-881-5	13530-68-2 7738-94-5	0.01
IV	43	2-methoxyethanol <sup>°</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	203-713-7	109-86-4	0.01
IV	44	2-ethoxyethanol <sup>°</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	203-804-1	110-80-5	0.01
V	45	Strontium chromate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic	232-142-6	7789-06-2	0.01
V	46	Hydrazine <sup>▲</sup>	US EPA 5021:1996 HS-GC	Carcinogenic	206-114-9	302-01-2 7803-57-8	0.01
V	47	2-ethoxyethyl acetate <sup>°</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	203-839-2	111-15-9	0.01
V	48	1-methyl-2-pyrrolidone (NMP) <sup>°</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	212-828-1	872-50-4	0.01
V	49	1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) <sup>(2)°</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction	271-084-6	68515-42-4	0.01

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V	50	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) <sup>(2)®</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction	276-158-1	71888-89-6	0.01
V	51	1,2,3-trichloropropane <sup>®</sup>	US EPA 5021:1996 HS-GC	Carcinogenic Toxic for reproduction	202-486-1	96-18-4	0.01
VI	52	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) <sup>(3)▲</sup>	US EPA3052:1996 TB/T 3139-2021 ICP-OES PLM	Carcinogenic	—	—	0.01
VI	53	Trilead diarsenate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Toxic for reproduction	222-979-5	3687-31-8	0.01
VI	54	Potassium hydroxyoctaoxodizincatedi chromate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic	234-329-8	11103-86-9	0.01
VI	55	Phenolphthalein <sup>®</sup>	US EPA 3550C:2007 HPLC	Carcinogenic	201-004-7	77-09-8	0.01
VI	56	Pentazinc chromate octahydroxide <sup>(3)▲</sup>	US EPA3052:1996 IEC 62321-7-2:2017 ICP-OES UV-Vis	Carcinogenic	256-418-0	49663-84-5	0.01
VI	57	N,N-dimethylacetamide (DMAC) <sup>®</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	204-826-4	127-19-5	0.005
VI	58	Lead styphnate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	239-290-0	15245-44-0	0.01
VI	59	Lead dipicrate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	229-335-2	6477-64-1	0.01
VI	60	Lead diazide, Lead azide <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	236-542-1	13424-46-9	0.01

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Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
VI	61	Formaldehyde, oligomeric reaction products with aniline <sup>(2)°</sup>	Pony-in-house method GC-MS	Carcinogenic	500-036-1	25214-70-4	0.05
VI	62	Dichromium tris(chromate) <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic	246-356-2	24613-89-6	0.01
VI	63	Calcium arsenate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic	231-904-5	7778-44-1	0.01
VI	64	Bis(2-methoxyethyl) phthalate <sup>°</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction	204-212-6	117-82-8	0.005
VI	65	Bis(2-methoxyethyl) ether <sup>°</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	203-924-4	111-96-6	0.01
VI	66	Arsenic acid <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic	231-901-9	7778-39-4	0.01
VI	67	Aluminosilicate Refractory Ceramic Fibres (RCF) <sup>(3)▲</sup>	US EPA 6010D:2018 TB/T 3139-2021 ICP-OES PLM	Carcinogenic	—	—	0.01
VI	68	4-(1,1,3,3-tetramethylbutyl)phenol <sup>°</sup>	US EPA 3550C:2007 HPLC	Endocrine disrupting properties-environment	205-426-2	140-66-9	0.005
VI	69	2-methoxyaniline, o-anisidine <sup>°</sup>	EN ISO 14362-1:2017 GC-MS	Carcinogenic	201-963-1	90-04-0	0.005
VI	70	2,2'-dichloro-4,4'-methylenedianiline (MOCA) <sup>°</sup>	EN ISO 14362-1:2017 GC-MS	Carcinogenic	202-918-9	101-14-4	0.005
VI	71	1,2-dichloroethane <sup>°</sup>	US EPA 5021:1996 HS-GC	Carcinogenic	203-458-1	107-06-2	0.01
VII	72	α,α-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) <sup>(5)°</sup>	US EPA 3550C:2007 HPLC	Carcinogenic	229-851-8	6786-83-0	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
VII	73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) <sup>o</sup>	US EPA 3550C:2007 GC-MS	Carcinogenic	202-959-2	101-61-1	0.01
VII	74	Lead(II) bis(methanesulfonate) <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	401-750-5	17570-76-2	0.01
VII	75	Formamide <sup>o</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	200-842-0	75-12-7	0.01
VII	76	Diboron trioxide <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	215-125-8	1303-86-2	0.01
VII	77	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Blue 26) <sup>(5) o</sup>	US EPA 3550C:2007 HPLC	Carcinogenic	219-943-6	2580-56-5	0.01
VII	78	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) <sup>(5) o</sup>	US EPA 3550C:2007 HPLC	Carcinogenic	208-953-6	548-62-9	0.01
VII	79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) <sup>o</sup>	US EPA 3550C:2007 GC	Carcinogenic	202-027-5	90-94-8	0.01
VII	80	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol <sup>(5) o</sup>	US EPA 3550C:2007 HPLC	Carcinogenic	209-218-2	561-41-1	0.01

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Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
VII	81	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC) <sup>(4)</sup> °	US EPA 3550C:2007 GC-MS	Mutagenic	423-400-0	59653-74-6	0.01
VII	82	1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)°	US EPA 3550C:2007 GC-MS	Mutagenic	219-514-3	2451-62-9	0.01
VII	83	1,2-bis(2-methoxyethoxy)ethane (TEGDME)°	US EPA 3550C:2007 LC-MS/MS	Toxic for reproduction	203-977-3	112-49-2	0.01
VII	84	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)°	US EPA 5021:1996 HS-GC	Toxic for reproduction	203-794-9	110-71-4	0.01
VIII	85	Trilead dioxide phosphonate <sup>(1)</sup> ▲	US EPA 6010D:2018 ICP-OES	Toxic for reproduction	235-252-2	12141-20-7	0.01
VIII	86	Trilead bis(carbonate) dihydroxide <sup>(1)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	215-290-6	1319-46-6	0.01
VIII	87	Tricosafuorododecanoic acid°	US EPA 3550C:2007 LC-MS/MS	vPvB	206-203-2	307-55-1	0.005
VIII	88	Tetralead trioxide sulphate <sup>(1)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	235-380-9	12202-17-4	0.01
VIII	89	Tetraethyllead <sup>(1)</sup> ▲°	US EPA 3550C:2007 US EPA3052:1996 GC-MS ICP-OES	Toxic for reproduction	201-075-4	78-00-2	0.01
VIII	90	Sulfurous acid, lead salt, dibasic <sup>(1)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	263-467-1	62229-08-7	0.01
VIII	91	Silicic acid, lead salt <sup>(1)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	234-363-3	11120-22-2	0.01

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Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
VIII	92	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped <sup>(3)</sup> ▲	US EPA 6010D:2018 ICP-OES	Toxic for reproduction	272-271-5	68784-75-8	0.01
VIII	93	Pyrochlore, antimony lead yellow <sup>(3)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	232-382-1	8012-00-8	0.01
VIII	94	Pentalead tetraoxide sulphate <sup>(3)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	235-067-7	12065-90-6	0.01
VIII	95	Pentacosafuorotridecanoic acid <sup>o</sup>	US EPA 3550C:2007 LC-MS/MS	vPvB	276-745-2	72629-94-8	0.005
VIII	96	Orange lead (lead tetroxide) <sup>(1)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	215-235-6	1314-41-6	0.01
VIII	97	o-toluidine <sup>o</sup>	EN ISO 14362-1:2017 GC-MS	Carcinogenic	202-429-0	95-53-4	0.005
VIII	98	o-aminoazotoluene <sup>o</sup>	EN ISO 14362-1:2017 GC-MS	Carcinogenic	202-591-2	97-56-3	0.005
VIII	99	n-pentyl-isopentyl phthalate <sup>o</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction	933-378-9	776297-69-9	0.005
VIII	100	N-methylacetamide <sup>o</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	201-182-6	79-16-3	0.01
VIII	101	N,N-dimethylformamide <sup>o</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	200-679-5	68-12-2	0.01
VIII	102	Methyloxirane (Propylene oxide) <sup>o</sup>	US EPA 5021:1996 HS-GC	Carcinogenic Mutagenic	200-879-2	75-56-9	0.01
VIII	103	Methoxyacetic acid <sup>o</sup>	US EPA 3550C:2007 GC	Toxic for reproduction	210-894-6	625-45-6	0.01
VIII	104	Lead titanium zirconium oxide <sup>(1)</sup> ▲	US EPA 6010D:2018 ICP-OES	Toxic for reproduction	235-727-4	12626-81-2	0.01
VIII	105	Lead titanium trioxide <sup>(1)</sup> ▲	US EPA 6010D:2018 ICP-OES	Toxic for reproduction	235-038-9	12060-00-3	0.01

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VIII	106	Lead oxide sulfate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	234-853-7	12036-76-9	0.01
VIII	107	Lead monoxide (lead oxide) <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	215-267-0	1317-36-8	0.01
VIII	108	Lead dinitrate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	233-245-9	10099-74-8	0.01
VIII	109	Lead cyanamidate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	244-073-9	20837-86-9	0.01
VIII	110	Lead bis(tetrafluoroborate) <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	237-486-0	13814-96-5	0.01
VIII	111	Hexahydromethylphthalic anhydride <sup>°</sup> Hexahydro-4-methylphthalic anhydride <sup>°</sup> Hexahydro-1-methylphthalic anhydride <sup>°</sup> Hexahydro-3-methylphthalic anhydride <sup>°</sup>	US EPA 3550C:2007 GC-MS	Respiratory sensitising properties- human health	247-094-1 243-072-0 256-356-4 260-566-1	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.01
VIII	112	Heptacosfluorotetradecanoic acid <sup>°</sup>	US EPA 3550C:2007 LC-MS/MS	vPvB	206-803-4	376-06-7	0.005
VIII	113	Henicosfluoroundecanoic acid <sup>°</sup>	US EPA 3550C:2007 LC-MS/MS	vPvB	218-165-4	2058-94-8	0.005
VIII	114	Furan <sup>°</sup>	US EPA 5021:1996 HS-GC	Carcinogenic	203-727-3	110-00-9	0.01
VIII	115	Fatty acids, C16-18, lead salts <sup>(1)▲°</sup>	US EPA 3550C:2007 US EPA3052:1996 GC-MS ICP-OES	Toxic for reproduction	292-966-7	91031-62-8	0.01

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REACH241 Item List:

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VIII	116	Dioxobis(stearato) trilead <sup>(1)▲</sup> °	US EPA 3550C:2007 US EPA3052:1996 GC-MS ICP-OES	Toxic for reproduction	235-702-8	12578-12-0	0.01
VIII	117	Dinoseb(6-sec-butyl-2,4-dinitrophenol) °	US EPA 3550C:2007 HPLC	Toxic for reproduction	201-861-7	88-85-7	0.01
VIII	118	Dimethyl sulphate°	US EPA 3550C:2007 GC-MS	Carcinogenic	201-058-1	77-78-1	0.01
VIII	119	Diisopentyl phthalate (DIPP) °	US EPA 8061A:1996 GC-MS	Toxic for reproduction	210-088-4	605-50-5	0.005
VIII	120	Diethyl sulphate°	US EPA 3550C:2007 GC-MS	Carcinogenic Mutagenic	200-589-6	64-67-5	0.01
VIII	121	Dibutyltin dichloride (DBTC) ▲°	US EPA3052:1996 ISO 17353:2004 ICP-OES GC-MS	Toxic for reproduction	211-670-0	683-18-1	0.01
VIII	122	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) °	US EPA 3550C:2007 HPLC	Respiratory sensitising properties- human health	204-650-8	123-77-3	0.005
VIII	123	Cyclohexane-1,2-dicarboxylic anhydride,all possible combinations of the cis- and trans-isomers (trans-cyclohexane-1,2-dicarboxylic anhydride, Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride) °	US EPA 3550C:2007 GC-MS	Respiratory sensitising properties- human health	238-009-9 201-604-9 236-086-3	14166-21-3 85-42-7 13149-00-3	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
VIII	124	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) °	IEC 62321-6:2015 GC-MS	PBT vPvB	214-604-9	1163-19-5	0.005
VIII	125	Biphenyl-4-ylamine °	EN ISO 14362-1:2017 GC-MS	Carcinogenic	202-177-1	92-67-1	0.005
VIII	126	Acetic acid, lead salt, basic(1)▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	257-175-3	51404-69-4	0.01
VIII	127	[Phthalato(2-)] dioxotrilead(1)▲°	US EPA 3550C:2007 US EPA3052:1996 GC-MS ICP-OES	Toxic for reproduction	273-688-5	69011-06-9	0.01
VIII	128	6-methoxy-m-toluidine (p-cresidine) °	EN ISO 14362-1:2017 GC-MS	Carcinogenic	204-419-1	120-71-8	0.005
VIII	129	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(2) °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties-environment	—	—	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
VIII	130	4-methyl-m-phenylenediamine (toluene-2,4- diamine) °	EN ISO 14362-1:2017 GC-MS	Carcinogenic	202-453-1	95-80-7	0.005
VIII	131	4-aminoazobenzene °	EN ISO 14362-1:2017 EN ISO 14362-3:2017 GC-MS	Carcinogenic	200-453-6	60-09-3	0.005
VIII	132	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated- covering well-defined substances and UVCB substances, polymers and homologues <sup>(2)</sup> °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties- environment	—	—	0.01
VIII	133	4,4'-oxydianiline and its salts °	EN ISO 14362-1:2017 GC-MS	Carcinogenic Mutagenic	202-977-0	101-80-4	0.005
VIII	134	4,4'-methylenedi-o-toluidine °	EN ISO 14362-1:2017 GC-MS	Carcinogenic	212-658-8	838-88-0	0.005
VIII	135	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine °	Pony-in-house method GC-MS	Toxic for reproduction	421-150-7	143860-04-2	0.01
VIII	136	1-bromopropane (n-propyl bromide) °	US EPA 5021:1996 HS-GC	Toxic for reproduction	203-445-0	106-94-5	0.01
VIII	137	1,2-diethoxyethane °	US EPA 3550C:2007 GC	Toxic for reproduction	211-076-1	629-14-1	0.01
VIII	138	1,2-benzenedicarboxylic acid, dipentyl ester, branched and linear °	US EPA 8061A:1996 GC-MS	Toxic for reproduction	284-032-2	84777-06-0	0.01
IX	139	Pentadecafluorooctanoic acid (PFOA) °	US EPA 3550C:2007 LC-MS/MS	Toxic for reproduction PBT	206-397-9	335-67-1	0.005
IX	140	Dipentyl phthalate (DPP) °	US EPA 8061A:1996 GC-MS	Toxic for reproduction	205-017-9	131-18-0	0.005

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Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
IX	141	Cadmium oxide <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Specific target organ toxicity after repeated exposure- human health	215-146-2	1306-19-0	0.005
IX	142	Cadmium▲	US EPA3052:1996 ICP-OES	Carcinogenic Specific target organ toxicity after repeated exposure- human health	231-152-8	7440-43-9	0.005
IX	143	Ammonium pentadecafluorooctanoate (APFO) <sup>◎</sup>	US EPA 3550C:2007 LC-MS/MS	Toxic for reproduction PBT	223-320-4	3825-26-1	0.005
IX	144	4-nonylphenol, branched and linear, ethoxylated-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 <sup>(2)◎</sup>	US EPA 3550C:2007 HPLC	Endocrine disrupting properties- environment	—	—	0.01
X	145	Trixylyl phosphate <sup>◎</sup>	US EPA 3550C:2007 GC-MS	Toxic for reproduction	246-677-8	25155-23-1	0.05
X	146	Lead di(acetate) <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	206-104-4	301-04-2	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
X	147	Imidazolidine-2-thione (2-imidazolone-2-thiol) °	US EPA 3550C:2007 HPLC	Toxic for reproduction	202-506-9	96-45-7	0.01
X	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 Black 38) °	US EPA 3550C:2007 LC-MS/MS	Carcinogenic	217-710-3	1937-37-7	0.01
X	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) °	US EPA 3550C:2007 LC-MS/MS	Carcinogenic	209-358-4	573-58-0	0.01
X	150	Dihexyl phthalate °	US EPA 8061A:1996 GC-MS	Toxic for reproduction	201-559-5	84-75-3	0.005
X	151	Cadmium sulphide <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Specific target organ toxicity after repeated exposure-human health	215-147-8	1306-23-6	0.005
XI	152	Sodium peroxometaborate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	231-556-4	7632-04-4	0.01
XI	153	Sodium perborate, Perboric acid, sodium salt <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	239-172-9 234-390-0	15120-21-5 11138-47-9	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XI	154	Cadmium chloride <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure- human health	233-296-7	10108-64-2	0.01
XI	155	1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear <sup>o</sup>	US EPA 8061A:1996 GC-MS	Toxic for reproduction	271-093-5	68515-50-4	0.005
XII	156	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) <sup>(2) (3) ▲<sup>o</sup></sup>	US EPA3052:1996 ISO 17353:2004 ICP-OES GC-MS	Toxic for reproduction	—	—	0.05
XII	157	Cadmium sulphate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure- human health	233-331-6	10124-36-4 31119-53-6	0.01

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XII	158	Cadmium fluoride <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure- human health	232-222-0	7790-79-6	0.01
XII	159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) <sup>(2)▲°</sup>	US EPA3052:1996 ISO 17353:2004 ICP-OES GC-MS	Toxic for reproduction	239-622-4	15571-58-1	0.05
XII	160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) <sup>□</sup>	US EPA 3550C:2007 GC-MS	PBT vPvB	223-346-6	3846-71-7	0.01
XII	161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) <sup>°</sup>	US EPA 3550C:2007 GC-MS	PBT vPvB	247-384-8	25973-55-1	0.01
XIII	162	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 <sup>(2)°</sup>	US EPA 3550C:2007 GC-MS	vPvB	—	—	0.01

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XIII	163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters, with ≥ 0.3% of dihexyl phthalate <sup>(2)</sup> °	US EPA 8061A:1996 GC-MS	Toxic for reproduction	271-094-0 272-013-1	68515-51-5 68648-93-1	0.01
XIV	164	Perfluorononan-1-oic-acid and its sodium and ammonium salts <sup>(2)</sup> °	US EPA 3550C:2007 LC-MS/MS	Toxic for reproduction PBT	206-801-3	375-95-1 21049-39-8 4149-60-4	0.005
XIV	165	Nitrobenzene°	US EPA 3550C:2007 GC-MS	Toxic for reproduction	202-716-0	98-95-3	0.01
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)°	US EPA 3550C:2007 GC-MS	vPvB	253-037-1	36437-37-3	0.01
XIV	167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)°	US EPA 3550C:2007 GC-MS	vPvB	223-383-8	3864-99-1	0.01
XIV	168	1,3-propanesultone°	US EPA 3550C:2007 GC-MS	Carcinogenic	214-317-9	1120-71-4	0.01
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)°	AfPS GS 2019:01 PAK GC-MS	Carcinogenic Mutagenic Toxic for reproduction PBT vPvB	200-028-5	50-32-8	0.005
XVI	170	p-(1,1-dimethylpropyl)phenol°	US EPA 3550C:2007 HPLC	Endocrine disrupting properties-environment	201-280-9	80-46-6	0.012
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts <sup>(2)</sup> °	US EPA 3550C:2007 LC-MS/MS	Toxic for reproduction PBT	221-470-5 206-400-3	3108-42-7 335-76-2 3830-45-3	0.005

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XVI	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 <sup>(2)</sup> °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties- environment	—	—	0.012
XVI	173	4,4'-isopropylidenedi phenol (BPA) °	US EPA 3550C:2007 HPLC	Toxic for reproduction Endocrine disrupting properties- environment Endocrine disrupting properties- human health	201-245-8	80-05-7	0.012
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) <sup>(2)</sup> °	US EPA 3550C:2007 LC-MS/MS	vPvB	—	—	0.005
XVIII	175	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 (4-HPbl) <sup>(2)</sup> °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties- environment	—	—	0.04
XVIII	176	Chrysene °	AfPS GS 2019:01 PAK GC-MS	Carcinogenic PBT vPvB	205-923-4	218-01-9	0.005

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XVIII	177	Cadmium nitrate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure- human health	233-710-6	10325-94-7 10022-68-1	0.01
XVIII	178	Cadmium hydroxide <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure- human health	244-168-5	21041-95-2	0.01
XVIII	179	Cadmium carbonate <sup>(1)▲</sup>	US EPA3052:1996 ICP-OES	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure- human health	208-168-9	513-78-0	0.01
XVIII	180	Benz[a]anthracene <sup>°</sup>	AfPS GS 2019:01 PAK GC-MS	Carcinogenic PBT vPvB	200-280-6	56-55-3	0.005
XVIII	181	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination) <sup>°</sup>	US EPA 3550C:2007 GC-MS	vPvB	—	—	0.004
XIX	182	Terphenyl, hydrogenated <sup>°</sup>	US EPA 3550C:2007 GC-MS	vPvB	262-967-7	61788-32-7	0.01
XIX	183	Octamethylcyclotetrasiloxa ne (D4) <sup>°</sup>	US EPA 3550C:2007 GC-MS	PBT vPvB	209-136-7	556-67-2	0.01
XIX	184	Lead <sup>▲</sup>	US EPA3052:1996 ICP-OES	Toxic for reproduction	231-100-4	7439-92-1	0.01
XIX	185	Ethylenediamine (EDA) <sup>°</sup>	US EPA 5021:1996 HS-GC	Respiratory sensitising properties- human health	203-468-6	107-15-3	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XIX	186	Dodecamethylcyclohexasiloxane (D6) °	US EPA 3550C:2007 GC-MS	PBT vPvB	208-762-8	540-97-6	0.01
XIX	187	Disodium octaborate <sup>(1)</sup> ▲	US EPA3052:1996 ICP-OES	Toxic for reproduction	234-541-0	12008-41-2	0.01
XIX	188	Dicyclohexyl phthalate (DCHP) °	US EPA 8061A:1996 GC-MS	Toxic for reproduction Endocrine disrupting properties- human health	201-545-9	84-61-7	0.005
XIX	189	Decamethylcyclopentasiloxane (D5) °	US EPA 3550C:2007 GC-MS	PBT vPvB	208-764-9	541-02-6	0.01
XIX	190	Benzo[ghi]perylene °	AfPS GS 2019:01 PAK GC-MS	PBT vPvB	205-883-8	191-24-2	0.005
XIX	191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA) °	US EPA 3550C:2007 HPLC	Respiratory sensitising properties- human health	209-008-0	552-30-7	0.012
XX	192	Pyrene °	AfPS GS 2019:01 PAK GC-MS	PBT vPvB	204-927-3	129-00-0	0.005
XX	193	Phenanthrene °	AfPS GS 2019:01 PAK GC-MS	vPvB	201-581-5	85-01-8	0.005
XX	194	Fluoranthene °	AfPS GS 2019:01 PAK GC-MS	PBT vPvB	205-912-4	206-44-0	0.005
XX	195	Benzo[k]fluoranthene °	AfPS GS 2019:01 PAK GC-MS	Carcinogenic PBT vPvB	205-916-6	207-08-9	0.005
XX	196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane °	US EPA 3550C:2007 HPLC	Toxic for reproduction	401-720-1	6807-17-6	0.012
XX	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one °	US EPA 3550C:2007 GC-MS	Endocrine disrupting properties- environment	239-139-9	15087-24-8	0.005

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XXI	198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) <sup>(2)</sup> °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties-environment	—	—	0.012
XXI	199	4-tert-butylphenol (PTBP) °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties-environment	202-679-0	98-54-4	0.012
XXI	200	2-methoxyethyl acetate °	US EPA 3550C:2007 GC-MS	Toxic for reproduction	203-772-9	110-49-6	0.01
XXI	201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) <sup>(2)</sup> °	US EPA 3550C:2007 LC-MS/MS	Equivalent level of concern having probable serious effects to human health Equivalent level of concern having probable serious effects to the environment	—	—	0.01
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone °	US EPA 3550C-2007 GC-MS	Toxic for reproduction	404-360-3	119313-12-1	0.01
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one °	US EPA 3550C-2007 GC-MS	Toxic for reproduction	400-600-6	71868-10-5	0.01
XXII	204	Diisohexyl phthalate °	US EPA 8061A:1996 GC-MS	Toxic for reproduction	276-090-2	71850-09-4	0.005

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts <sup>(2)</sup> °	US EPA 3550C-2007 LC-MS/MS	Equivalent level of concern having probable serious effects to human health Equivalent level of concern having probable serious effects to the environment	—	—	0.005
XXIII	206	1-vinylimidazole °	Pony-in-house method GC-MS	Toxic for reproduction	214-012-0	1072-63-5	0.004
XXIII	207	2-methylimidazole °	Pony-in-house method GC-MS	Toxic for reproduction	211-765-7	693-98-1	0.004
XXIII	208	Butyl 4-hydroxybenzoate °	Pony-in-house method GC-MS	Endocrine Disrupting Chemicals	202-318-7	94-26-8	0.003
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin <sup>(1)</sup> ▲ °	US EPA 3052:1996 ISO 17353:2004 ICP-OES GC-MS	Toxic for reproduction	245-152-0	22673-19-4	0.01
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl)ether; (Tetraglyme) °	US EPA 3550C:2007 GC-MS	Toxic for reproduction	205-594-7	143-24-8	0.01
XXIV	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 <sup>(1)</sup> ▲ °	US EPA 3052:1996 ICP-OES	Toxic for reproduction	—	—	0.01
XXV	212	1,4-dioxane °	US EPA 5021:1996 HS-GC	Equivalent concern	204-661-8	123-91-1	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XXV	213	2,2-bis(bromomethyl) propane 1,3-diol(BMP) °	US EPA 3550C:2007 GC-MS	Carcinogen	221-967-7	3296-90-0	0.01
		2,2-dimethylpropan-1-ol, tribromoderivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) °			253-057-0	36483-57-5/ 1522-92-5	
		2,3-dibromo-1-propanol (2,3-DBPA) °			202-480-9	96-13-9	
XXV	214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers (2) °	US EPA 3550C:2007 GC-MS	Toxic for reproduction	—	—	0.01
XXV	215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B) °	US EPA 3550C:2007 HPLC	Endocrine disrupting properties	201-025-1	77-40-7	0.012
XXV	216	Glutaral °	US EPA 3550C:2007 GC-MS	respiration sensitivity characteristics - human health	203-856-5	111-30-8	0.01
XXV	217	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](2) °	US EPA 3550C:2007 GC-MS	PBT, vPvB	—	—	0.01
XXV	218	Orthoboric acid, sodium salt(1) ▲	US EPA 3052:1996 ICP-OES	Toxic for reproduction	237-560-2	13840-56-7	0.01

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual <sup>(2)</sup> °	US EPA 3550C:2007 HPLC	Toxic for reproduction; Endocrine disrupting properties	—	—	0.009
XXVI	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) <sup>(2)</sup> °	US EPA 3550C:2007 GC-MS	Endocrine disrupting properties	—	—	0.01
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol <sup>(2)</sup> °	US EPA 3550C:2007 GC-MS	Toxic for reproduction	204-327-1	119-47-1	0.01
XXVI	222	S-(tricyclo(5.2.1.0 <sub>2,6</sub> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate <sup>(2)</sup> °▲	US EPA 3550C:2007 US EPA 6010D:2018 GC-MS ICP-OES	PBT, vPvB	401-850-9	255881-94-8	0.05
XXVI	223	tris(2-methoxyethoxy)vinylsilane <sup>(2)</sup> °	US EPA 3550C:2007 ICP-OES	Toxic for reproduction	213-934-0	1067-53-4	0.005
XXVII	224	N-(hydroxymethyl)crylamide °	US EPA 3550C:2007 GC-MS	Carcinogenic Mutagenic	213-103-2	924-42-5	0.005

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XXVIII	225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene] °	US EPA 3550C:2007 GC-MS	vPvB	253-692-3	37853-59-1	0.01
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol °	US EPA 3550C:2007 HPLC	Carcinogenic	201-236-9	79-94-7	0.01
XXVIII	227	4,4'-sulphonyldiphenol °	US EPA 3550C:2007 LC-MS/MS	Toxic for Reproduction, endocrine disrupting properties-environment; Endocrine disrupting properties-human health	201-250-5	80-09-1	0.005
XXVIII	228	Barium diboron tetraoxide <sup>(3)</sup> ▲	US EPA 3052:1996 ICP-OES	Toxic for reproduction	237-222-4	13701-59-2	0.01
XXVIII	229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof °	US EPA 3550C:2007 GC-MS	vPvB	—	—	0.01
XXVIII	230	Isobutyl 4-hydroxybenzoate °	US EPA 3550C:2007 GC-MS	Endocrine disrupting properties-human health	224-208-8	4247-02-3	0.01
XXVIII	231	Melamine °	US EPA 3550C:2007 HPLC	Equivalent level of concern having probable serious effects to human health or the environment	203-615-4	108-78-1	0.01
XXVIII	232	Perfluoroheptanoic acid and its salts °	US EPA3550C:2007 LC-MS/MS	Toxic for reproduction; PBT;vPvB; Equivalent level of concern having probable serious effects to human health or the environment	—	—	0.005

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REACH241 Item List:

Batch No.	No.	Substance Name(s)	Reference Method and Equipments	Substance Classification	EC No.	CAS No.	DL %
XXVIII	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 <sup>(1)</sup> ▲	EN14582:2016 IC	vPvB	473-390-7	—	0.01
XXIX	234	Bis(4-chlorophenyl) sulphone <sup>o</sup>	US EPA3550C:2007 GC-MS	vPvB	201-247-9	80-07-9	0.01
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide <sup>o</sup>	US EPA3550C:2007 HPLC	Toxic for reproduction	278-355-8	75980-60-8	0.01
XXX	236	2,4,6-tri-tert-butylphenol <sup>o</sup>	US EPA 8270E:2017 GC-MS	reproduction; PBT;vPvB;	211-989-5	732-26-3	0.01
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol <sup>o</sup>	US EPA 3550C:2007 GC-MS	vPvB	221-573-5	3147-75-9	0.01
XXX	238	2-(dimethylamino)-2-[[4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one <sup>o</sup>	US EPA 3550C:2007 HPLC	Toxic for reproduction	438-340-0	119344-86-4	0.01
XXX	239	Bumetrizole <sup>o</sup>	US EPA 3550C:2007 GC-MS	vPvB;	223-445-4	3896-11-5	0.01
XXX	240	OAPP <sup>o</sup>	US EPA 3550C:2007 GC-MS	vPvB	700-960-7	—	0.01
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide <sup>o</sup>	US EPA 3550C:2007 HPLC	Toxic for reproduction	201-279-3	80-43-3	0.025

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## REACH241 Test result (Unit: %)

Test No.	Batch No.	No.	Substance Name(s)	Test Result
B3D5B0B0336	I-XXXI	1-241	All tested SVHC in candidate list	N.D.

### Explanatory Note:

DL = Detection Limit

N.D. = Not Detected (<DL)

0.1 % = 1000 mg/kg = 1000 ppm

mg/kg = ppm

PBT = Persistent, bioaccumulative and toxic; vPvB = very Persistent very Bioaccumulative

- (1) The test result is the result of selected elements and calculated based on the worst situation.
- (2) In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
- (3) When tested substances contain variable compounds, the test results are calculated based on main constituents of the representative compounds for the substances. The test results of the representative compounds are calculated based on the result of specified heavy metal elements.
- (4) TGIC is a mixture and also contains  $\beta$ -TGIC. According to the ECHA's technical dossier the ratio of  $\beta$ -TGIC to TGIC is around 1 to 10. Therefore  $\beta$ -TGIC is issued based on the above-mentioned ratio.
- (5) The substance is considered as SVHC only when the concentration of Michler's ketone (CAS No.:90-94-8) or Michler's base (CAS No.:101-61-1) is more than 0.1% (w/w).

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# Test Report

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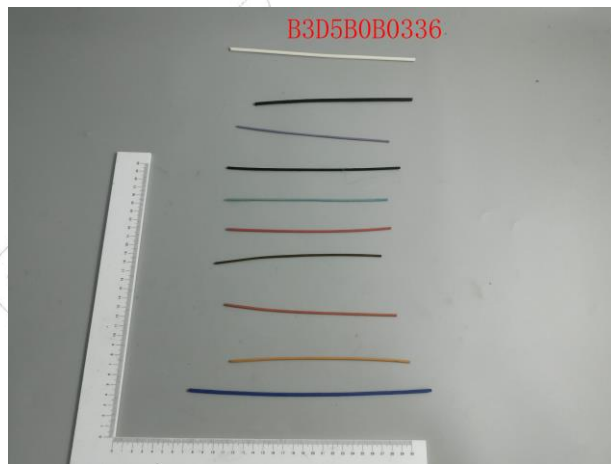
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Note:

- (1) The chemical analysis of specific SVHC is performed by means of currently available analytical. Techniques in the list published by ECHA as of 27 Jun 2024 shall refer to:  
<http://echa.europa.eu/web/guest/candidate-list-table>  
These documents are assessed by ECHA and may be changed in the future.
- (2) In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1 % weight by weight (w/w).
- (3) Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.
- (4) The test result in the report is based on test sample. If the sample is homogeneous, the result cannot represent the SVHC concentration in the finished product. These samples may also come from different articles if several homogeneous samples are tested after equal proportion mixed.
- (5) The mixing sample test was performed as client's request. Result obtained only gives informality value and does not represent individual sample material

Sample No. & Photo:



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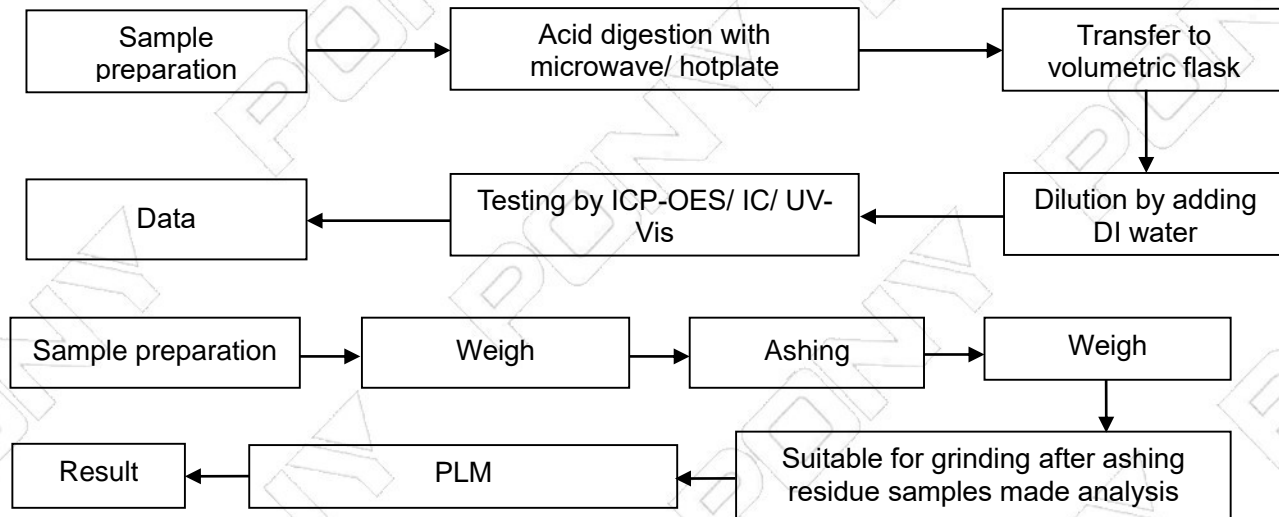
# Test Report

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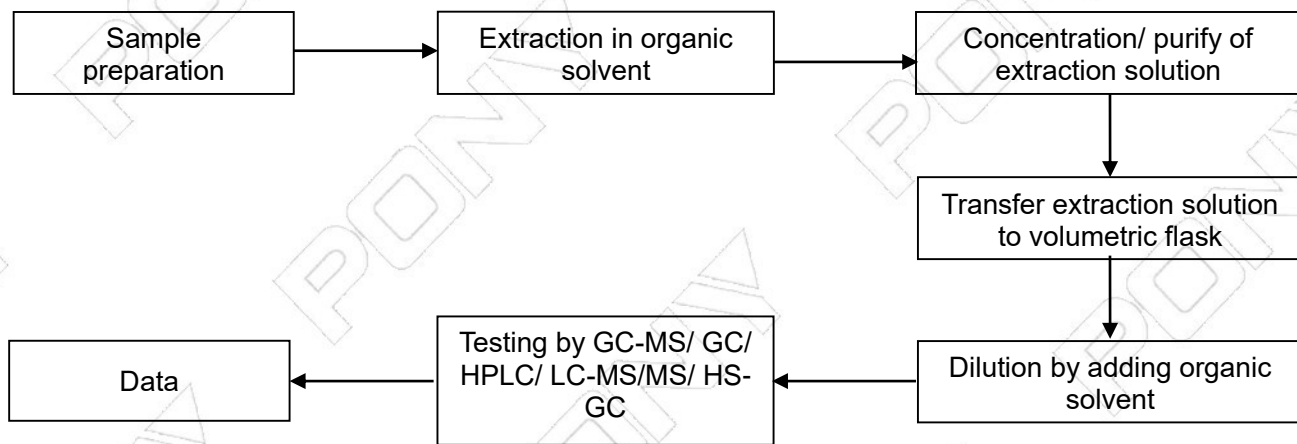
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## Measurement Flow-chart

### 1 Determination of item with "▲"



### 2 Determination of item with "◎"



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