



Test Report

(SVHC)

No.: BTC3S98B5771206D5-2

Report Page: Page 1 of 25
Issued Date: 2025-06-17

Applicant: TESTCENTER OF AO ZHAN INDUSTRIAL CO.LTD

Address: NO.519, ZHENZHONG ROAD,DANGWAN TOWN,XIAOSHAN DISTRICT,HANGZHOU.

Sample Name: 304/316 Stainless Steel Fasteners and Wires

Test Section: Mix Tested

Sample Source: Send Sample

Sample Received Date: 2025-06-09

Test Period: 2025-06-09~2025-06-17

Test Type: Commissioning Test

Reference Requirements: Very High Concern (SVHC) testing based on the list published by European Chemicals Agency (ECHA) as of 21 Jan 2025, regarding regulation (EC) No 1907/2006 concerning the REACH. Screening tests based on customer requirements.

Reference Method: Pony-in-house method, analysis is performed by ICP-OES, IC, UV-Vis, PLM, GC, GC-MS, HPLC, LC-MS/MS, HS-GC.

Test Result(s): See the report below for details

Summary: According to the analytical results, concentrations of 247 SVHC substances are less than 0.1 % in the submitted sample.

Edited by: Dai Chun Yan
Dai Chunyan

Checked by: Zhang Tianyu
Zhang Tianyu

Approved by: Tao Feng
Tao Feng

Pony Testing Group Shanghai Co., Ltd.

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
I	1	Triethyl arsenate ⁽¹⁾	Carcinogenic	427-700-2	15606-95-8	0.005
I	2	Sodium dichromate ⁽¹⁾	Carcinogenic Mutagenic Toxic for reproduction	234-190-3	10588-01-9 7789-12-0	0.01
I	3	Lead hydrogen arsenate ⁽¹⁾	Carcinogenic Toxic for reproduction	232-064-2	7784-40-9	0.01
I	4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	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)	Toxic for reproduction Endocrine disrupting properties-environment Endocrine disrupting properties-human health	201-557-4	84-74-2	0.005
I	6	Diarsenic trioxide ⁽¹⁾	Carcinogenic	215-481-4	1327-53-3	0.01
I	7	Diarsenic pentaoxide ⁽¹⁾	Carcinogenic	215-116-9	1303-28-2	0.01
I	8	Cobalt dichloride ⁽¹⁾	Carcinogenic Toxic for reproduction	231-589-4	7646-79-9	0.01
I	9	Bis(tributyltin) oxide (TBTO)	PBT	200-268-0	56-35-9	0.01
I	10	Bis(2-ethylhexyl)phthalate (DEHP)	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)	Toxic for reproduction Endocrine disrupting properties-human health	201-622-7	85-68-7	0.005
I	12	Anthracene	PBT	204-371-1	120-12-7	0.0005
I	13	Alkanes, C ₁₀₋₁₃ , chloro (SCCP)	PBT vPvB	287-476-5	85535-84-8	0.01

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Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
I	14	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	vPvB	201-329-4	81-15-2	0.005
I	15	4,4'- Diaminodiphenylmethane (MDA)	Carcinogenic	202-974-4	101-77-9	0.005
II	16	Tris(2-chloroethyl) phosphate	Toxic for reproduction	204-118-5	115-96-8	0.005
II	17	Pitch, coal tar, high- temp. ⁽²⁾	Carcinogenic PBT vPvB	266-028-2	65996-93-2	0.05
II	18	Lead sulfochromate yellow (C.I. Pigment Yellow 34) ⁽³⁾	Carcinogenic Toxic for reproduction	215-693-7	1344-37-2	0.005
II	19	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ⁽³⁾	Carcinogenic Toxic for reproduction	235-759-9	12656-85-8	0.005
II	20	Lead chromate ⁽³⁾	Carcinogenic Toxic for reproduction	231-846-0	7758-97-6	0.005
II	21	Diisobutyl phthalate (DIBP)	Toxic for reproduction Endocrine disrupting properties-human health	201-553-2	84-69-5	0.005
II	22	Anthracene oil, anthracene-low ⁽²⁾	Carcinogenic Mutagenic PBT vPvB	292-604-8	90640-82-7	0.05
II	23	Anthracene oil, anthracene paste, distn. lights ⁽²⁾	Carcinogenic Mutagenic PBT vPvB	295-278-5	91995-17-4	0.05
II	24	Anthracene oil, anthracene paste, anthracene fraction ⁽²⁾	Carcinogenic Mutagenic PBT vPvB	295-275-9	91995-15-2	0.05
II	25	Anthracene oil, anthracene paste ⁽²⁾	Carcinogenic Mutagenic PBT vPvB	292-603-2	90640-81-6	0.05

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II	26	Anthracene oil ⁽²⁾	Carcinogenic PBT vPvB	292-602-7	90640-80-5	0.05
II	27	2,4-dinitrotoluene	Carcinogenic	204-450-0	121-14-2	0.01
II	28	Acrylamide	Carcinogenic Mutagenic	201-173-7	79-06-1	0.005
III	29	Trichloroethylene	Carcinogenic	201-167-4	79-01-6	0.01
III	30	Tetraboron disodium heptaoxide, hydrate ⁽¹⁾	Toxic for reproduction	235-541-3	12267-73-1	0.01
III	31	Sodium chromate ⁽¹⁾	Carcinogenic Mutagenic Toxic for reproduction	231-889-5	7775-11-3	0.01
III	32	Potassium dichromate ⁽¹⁾	Carcinogenic Mutagenic Toxic for reproduction	231-906-6	7778-50-9	0.01
III	33	Potassium chromate ⁽¹⁾	Carcinogenic Mutagenic	232-140-5	7789-00-6	0.01
III	34	Disodium tetraborate, anhydrous ⁽¹⁾	Toxic for reproduction	215-540-4	12179-04-3 1303-96-4 1330-43-4	0.01
III	35	Boric acid, crude natural ⁽¹⁾	Toxic for reproduction	233-139-2 234-343-4	10043-35-3 11113-50-1	0.01
III	36	Ammonium dichromate ⁽¹⁾	Carcinogenic Mutagenic Toxic for reproduction	232-143-1	7789-09-5	0.01
IV	37	Cobalt(II) sulphate ⁽¹⁾	Carcinogenic Toxic for reproduction	233-334-2	10124-43-3	0.01
IV	38	Cobalt(II) dinitrate ⁽¹⁾	Carcinogenic Toxic for reproduction	233-402-1	10141-05-6	0.01
IV	39	Cobalt(II) diacetate ⁽¹⁾	Carcinogenic Toxic for reproduction	200-755-8	71-48-7	0.01
IV	40	Cobalt(II) carbonate ⁽¹⁾	Carcinogenic Toxic for reproduction	208-169-4	513-79-1	0.01

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IV	41	Chromium trioxide ⁽¹⁾	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) ⁽¹⁾	Carcinogenic	231-801-5 236-881-5	13530-68-2 7738-94-5	0.01
IV	43	2-methoxyethanol	Toxic for reproduction	203-713-7	109-86-4	0.01
IV	44	2-ethoxyethanol	Toxic for reproduction	203-804-1	110-80-5	0.01
V	45	Strontium chromate ⁽¹⁾	Carcinogenic	232-142-6	7789-06-2	0.01
V	46	Hydrazine	Carcinogenic	206-114-9	302-01-2 7803-57-8	0.01
V	47	2-ethoxyethyl acetate	Toxic for reproduction	203-839-2	111-15-9	0.01
V	48	1-methyl-2-pyrrolidone (NMP)	Toxic for reproduction	212-828-1	872-50-4	0.01
V	49	1,2-benzenedicarboxylic acid, di-C ₇₋₁₁ -branched and linear alkyl esters (DHNUP) ⁽²⁾	Toxic for reproduction	271-084-6	68515-42-4	0.01
V	50	1,2-benzenedicarboxylic acid, di-C ₆₋₈ -branched alkyl esters, C ₇ -rich (DIHP) ⁽²⁾	Toxic for reproduction	276-158-1	71888-89-6	0.01
V	51	1,2,3-trichloropropane	Carcinogenic Toxic for reproduction	202-486-1	96-18-4	0.01
VI	52	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) ⁽³⁾	Carcinogenic	—	—	0.01
VI	53	Trilead diarsenate ⁽¹⁾	Carcinogenic Toxic for reproduction	222-979-5	3687-31-8	0.01
VI	54	Potassium hydroxyoctaoxodizincatedichromate ⁽¹⁾	Carcinogenic	234-329-8	11103-86-9	0.01

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VI	55	Phenolphthalein	Carcinogenic	201-004-7	77-09-8	0.01
VI	56	Pentazinc chromate octahydroxide ⁽³⁾	Carcinogenic	256-418-0	49663-84-5	0.01
VI	57	N,N-dimethylacetamide (DMAC)	Toxic for reproduction	204-826-4	127-19-5	0.005
VI	58	Lead styphnate ⁽¹⁾	Toxic for reproduction	239-290-0	15245-44-0	0.01
VI	59	Lead dipicrate ⁽¹⁾	Toxic for reproduction	229-335-2	6477-64-1	0.01
VI	60	Lead diazide, Lead azide ⁽¹⁾	Toxic for reproduction	236-542-1	13424-46-9	0.01
VI	61	Formaldehyde, oligomeric reaction products with aniline ⁽²⁾	Carcinogenic	500-036-1	25214-70-4	0.05
VI	62	Dichromium tris(chromate) ⁽¹⁾	Carcinogenic	246-356-2	24613-89-6	0.01
VI	63	Calcium arsenate ⁽¹⁾	Carcinogenic	231-904-5	7778-44-1	0.01
VI	64	Bis(2-methoxyethyl) phthalate	Toxic for reproduction	204-212-6	117-82-8	0.005
VI	65	Bis(2-methoxyethyl) ether	Toxic for reproduction	203-924-4	111-96-6	0.01
VI	66	Arsenic acid ⁽¹⁾	Carcinogenic	231-901-9	7778-39-4	0.01
VI	67	Aluminosilicate Refractory Ceramic Fibres (RCF) ⁽³⁾	Carcinogenic	—	—	0.01
VI	68	4-(1,1,3,3-tetramethylbutyl)phenol	Endocrine disrupting properties-environment	205-426-2	140-66-9	0.005
VI	69	2-methoxyaniline, o-anisidine	Carcinogenic	201-963-1	90-04-0	0.005
VI	70	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	Carcinogenic	202-918-9	101-14-4	0.005
VI	71	1,2-dichloroethane	Carcinogenic	203-458-1	107-06-2	0.01

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VII	72	α,α -bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) ⁽⁴⁾	Carcinogenic	229-851-8	6786-83-0	0.01
VII	73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	Carcinogenic	202-959-2	101-61-1	0.01
VII	74	Lead(II) bis(methanesulfonate) ⁽¹⁾	Toxic for reproduction	401-750-5	17570-76-2	0.01
VII	75	Formamide	Toxic for reproduction	200-842-0	75-12-7	0.01
VII	76	Diboron trioxide ⁽¹⁾	Toxic for reproduction	215-125-8	1303-86-2	0.01
VII	77	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethyl ammonium chloride (C.I. Basic Blue 26) ⁽⁴⁾	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) ⁽⁴⁾	Carcinogenic	208-953-6	548-62-9	0.01
VII	79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	Carcinogenic	202-027-5	90-94-8	0.01
VII	80	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol ⁽⁴⁾	Carcinogenic	209-218-2	561-41-1	0.01
VII	81	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	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)	Mutagenic	219-514-3	2451-62-9	0.01
VII	83	1,2-bis(2-methoxyethoxy)ethane (TEGDME)	Toxic for reproduction	203-977-3	112-49-2	0.01

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VII	84	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	Toxic for reproduction	203-794-9	110-71-4	0.01
VIII	85	Trilead dioxide phosphonate ⁽¹⁾	Toxic for reproduction	235-252-2	12141-20-7	0.01
VIII	86	Trilead bis(carbonate) dihydroxide ⁽¹⁾	Toxic for reproduction	215-290-6	1319-46-6	0.01
VIII	87	Tricosafuorododecanoic acid	vPvB	206-203-2	307-55-1	0.005
VIII	88	Tetralead trioxide sulphate ⁽¹⁾	Toxic for reproduction	235-380-9	12202-17-4	0.01
VIII	89	Tetraethyllead ⁽¹⁾	Toxic for reproduction	201-075-4	78-00-2	0.01
VIII	90	Sulfurous acid, lead salt, dibasic ⁽¹⁾	Toxic for reproduction	263-467-1	62229-08-7	0.01
VIII	91	Silicic acid, lead salt ⁽¹⁾	Toxic for reproduction	234-363-3	11120-22-2	0.01
VIII	92	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped ⁽³⁾	Toxic for reproduction	272-271-5	68784-75-8	0.01
VIII	93	Pyrochlore, antimony lead yellow ⁽³⁾	Toxic for reproduction	232-382-1	8012-00-8	0.01
VIII	94	Pentalead tetraoxide sulphate ⁽³⁾	Toxic for reproduction	235-067-7	12065-90-6	0.01
VIII	95	Pentacosafuorotridecanoic acid	vPvB	276-745-2	72629-94-8	0.005
VIII	96	Orange lead (lead tetroxide) ⁽¹⁾	Toxic for reproduction	215-235-6	1314-41-6	0.01
VIII	97	o-toluidine	Carcinogenic	202-429-0	95-53-4	0.005
VIII	98	o-aminoazotoluene	Carcinogenic	202-591-2	97-56-3	0.005
VIII	99	n-pentyl-isopentyl phthalate	Toxic for reproduction	933-378-9	776297-69-9	0.005
VIII	100	N-methylacetamide	Toxic for reproduction	201-182-6	79-16-3	0.01
VIII	101	N,N-dimethylformamide	Toxic for reproduction	200-679-5	68-12-2	0.01

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Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
VIII	102	Methyloxirane (Propylene oxide)	Carcinogenic Mutagenic	200-879-2	75-56-9	0.01
VIII	103	Methoxyacetic acid	Toxic for reproduction	210-894-6	625-45-6	0.01
VIII	104	Lead titanium zirconium oxide ⁽¹⁾	Toxic for reproduction	235-727-4	12626-81-2	0.01
VIII	105	Lead titanium trioxide ⁽¹⁾	Toxic for reproduction	235-038-9	12060-00-3	0.01
VIII	106	Lead oxide sulfate ⁽¹⁾	Toxic for reproduction	234-853-7	12036-76-9	0.01
VIII	107	Lead monoxide (lead oxide) ⁽¹⁾	Toxic for reproduction	215-267-0	1317-36-8	0.01
VIII	108	Lead dinitrate ⁽¹⁾	Toxic for reproduction	233-245-9	10099-74-8	0.01
VIII	109	Lead cyanamidate ⁽¹⁾	Toxic for reproduction	244-073-9	20837-86-9	0.01
VIII	110	Lead bis(tetrafluoroborate) ⁽¹⁾	Toxic for reproduction	237-486-0	13814-96-5	0.01
VIII	111	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	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	Heptacosafuorotetradecanoic acid	vPvB	206-803-4	376-06-7	0.005
VIII	113	Henicosafuoroundecanoic acid	vPvB	218-165-4	2058-94-8	0.005
VIII	114	Furan	Carcinogenic	203-727-3	110-00-9	0.01
VIII	115	Fatty acids, C ₁₆₋₁₈ , lead salts ⁽¹⁾	Toxic for reproduction	292-966-7	91031-62-8	0.01
VIII	116	Dioxobis(stearato) trilead ⁽¹⁾	Toxic for reproduction	235-702-8	12578-12-0	0.01

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Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
VIII	117	Dinoseb(6-sec-butyl-2,4-dinitrophenol)	Toxic for reproduction	201-861-7	88-85-7	0.01
VIII	118	Dimethyl sulphate	Carcinogenic	201-058-1	77-78-1	0.01
VIII	119	Diisopentyl phthalate (DIPP)	Toxic for reproduction	210-088-4	605-50-5	0.005
VIII	120	Diethyl sulphate	Carcinogenic Mutagenic	200-589-6	64-67-5	0.01
VIII	121	Dibutyltin dichloride (DBTC)	Toxic for reproduction	211-670-0	683-18-1	0.01
VIII	122	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)	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)	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
VIII	124	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	PBT vPvB	214-604-9	1163-19-5	0.005
VIII	125	Biphenyl-4-ylamine	Carcinogenic	202-177-1	92-67-1	0.005
VIII	126	Acetic acid, lead salt, basic ⁽¹⁾	Toxic for reproduction	257-175-3	51404-69-4	0.01
VIII	127	[Phthalato(2-)] dioxotrilead ⁽¹⁾	Toxic for reproduction	273-688-5	69011-06-9	0.01
VIII	128	6-methoxy-m-toluidine (p-cresidine)	Carcinogenic	204-419-1	120-71-8	0.005

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
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⁾	Endocrine disrupting properties-environment	—	—	0.01
VIII	130	4-methyl-m-phenylenediamine (toluene-2,4- diamine)	Carcinogenic	202-453-1	95-80-7	0.005
VIII	131	4-aminoazobenzene	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 ⁽²⁾	Endocrine disrupting properties-environment	—	—	0.01
VIII	133	4,4'-oxydianiline and its salts	Carcinogenic Mutagenic	202-977-0	101-80-4	0.005
VIII	134	4,4'-methylenedi-o- toluidine	Carcinogenic	212-658-8	838-88-0	0.005
VIII	135	3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazolidine	Toxic for reproduction	421-150-7	143860-04-2	0.01
VIII	136	1-bromopropane (n-propyl bromide)	Toxic for reproduction	203-445-0	106-94-5	0.01
VIII	137	1,2-diethoxyethane	Toxic for reproduction	211-076-1	629-14-1	0.01
VIII	138	1,2-benzenedicarboxylic acid, dipentyl ester, branched and linear	Toxic for reproduction	284-032-2	84777-06-0	0.01
IX	139	Pentadecafluorooctanoic acid (PFOA)	Toxic for reproduction PBT	206-397-9	335-67-1	0.005
IX	140	Dipentyl phthalate (DPP)	Toxic for reproduction	205-017-9	131-18-0	0.005

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
IX	141	Cadmium oxide ⁽¹⁾	Carcinogenic Specific target organ toxicity after repeated exposure-human health	215-146-2	1306-19-0	0.005
IX	142	Cadmium	Carcinogenic Specific target organ toxicity after repeated exposure-human health	231-152-8	7440-43-9	0.005
IX	143	Ammonium pentadecafluorooctanoate (APFO)	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 ⁽²⁾	Endocrine disrupting properties-environment	—	—	0.01
X	145	Trixylyl phosphate	Toxic for reproduction	246-677-8	25155-23-1	0.05
X	146	Lead di(acetate) ⁽¹⁾	Toxic for reproduction	206-104-4	301-04-2	0.01
X	147	Imidazolidine-2-thione (2-imidazoline-2-thiol)	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)	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)	Carcinogenic	209-358-4	573-58-0	0.01

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
X	150	Dihexyl phthalate	Toxic for reproduction	201-559-5	84-75-3	0.005
X	151	Cadmium sulphide ⁽¹⁾	Carcinogenic Specific target organ toxicity after repeated exposure- human health	215-147-8	1306-23-6	0.005
XI	152	Sodium peroxometaborate ⁽¹⁾	Toxic for reproduction	231-556-4	7632-04-4	0.01
XI	153	Sodium perborate, Perboric acid, sodium salt ⁽¹⁾	Toxic for reproduction	239-172-9 234-390-0	15120-21-5 11138-47-9	0.01
XI	154	Cadmium chloride ⁽¹⁾	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	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-s tannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-sta nnatetradecanoate (reaction mass of DOTE and MOTE) ⁽²⁾	Toxic for reproduction	—	—	0.05
XII	157	Cadmium sulphate ⁽¹⁾	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
XII	158	Cadmium fluoride ⁽¹⁾	Carcinogenic Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure- human health	232-222-0	7790-79-6	0.01

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XII	159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	Toxic for reproduction	239-622-4	15571-58-1	0.05
XII	160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	PBT vPvB	223-346-6	3846-71-7	0.01
XII	161	2-(2H-benzotriazol-2-yl)-4,6-ditertphenylphenol (UV-328)	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 ⁽²⁾	vPvB	—	—	0.01
XIII	163	1,2-benzenedicarboxylic acid, di-C ₆₋₁₀ -alkyl esters or mixed decyl and hexyl and octyl diesters, with ≥ 0.3% of dihexyl phthalate ⁽²⁾	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 ⁽²⁾	Toxic for reproduction PBT	206-801-3	375-95-1 21049-39-8 4149-60-4	0.005
XIV	165	Nitrobenzene	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)	vPvB	253-037-1	36437-37-3	0.01
XIV	167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	vPvB	223-383-8	3864-99-1	0.01
XIV	168	1,3-propanesultone	Carcinogenic	214-317-9	1120-71-4	0.01
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	Carcinogenic Mutagenic Toxic for reproduction PBT vPvB	200-028-5	50-32-8	0.005

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XVI	170	p-(1,1-dimethylpropyl) phenol	Endocrine disrupting properties-environment	201-280-9	80-46-6	0.012
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts ⁽²⁾	Toxic for reproduction PBT	221-470-5 206-400-3	3108-42-7 335-76-2 3830-45-3	0.005
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 ⁽²⁾	Endocrine disrupting properties-environment	—	—	0.012
XVI	173	4,4'-isopropylidenedi phenol (BPA)	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) ⁽²⁾	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) ⁽²⁾	Endocrine disrupting properties-environment	—	—	0.04
XVIII	176	Chrysene	Carcinogenic PBT vPvB	205-923-4	218-01-9	0.005
XVIII	177	Cadmium nitrate ⁽¹⁾	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure-human health	233-710-6	10325-94-7 10022-68-1	0.01

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XVIII	178	Cadmium hydroxide ⁽¹⁾	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure-human health	244-168-5	21041-95-2	0.01
XVIII	179	Cadmium carbonate ⁽¹⁾	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure-human health	208-168-9	513-78-0	0.01
XVIII	180	Benz[a]anthracene	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)	vPvB	—	—	0.004
XIX	182	Terphenyl, hydrogenated	vPvB	262-967-7	61788-32-7	0.01
XIX	183	Octamethylcyclotetrasiloxane (D4)	PBT vPvB	209-136-7	556-67-2	0.01
XIX	184	Lead	Toxic for reproduction	231-100-4	7439-92-1	0.01
XIX	185	Ethylenediamine (EDA)	Respiratory sensitising properties-human health	203-468-6	107-15-3	0.01
XIX	186	Dodecamethylcyclohexasiloxane (D6)	PBT vPvB	208-762-8	540-97-6	0.01
XIX	187	Disodium octaborate ⁽¹⁾	Toxic for reproduction	234-541-0	12008-41-2	0.01
XIX	188	Dicyclohexyl phthalate (DCHP)	Toxic for reproduction Endocrine disrupting properties-human health	201-545-9	84-61-7	0.005
XIX	189	Decamethylcyclopentasiloxane (D5)	PBT vPvB	208-764-9	541-02-6	0.01
XIX	190	Benzo[ghi]perylene	PBT vPvB	205-883-8	191-24-2	0.005
XIX	191	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA)	Respiratory sensitising properties-human health	209-008-0	552-30-7	0.012
XX	192	Pyrene	PBT vPvB	204-927-3	129-00-0	0.005

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XX	193	Phenanthrene	vPvB	201-581-5	85-01-8	0.005
XX	194	Fluoranthene	PBT vPvB	205-912-4	206-44-0	0.005
XX	195	Benzo[k]fluoranthene	Carcinogenic PBT vPvB	205-916-6	207-08-9	0.005
XX	196	2,2-bis(4'-hydroxyphenyl)-4-methylp ntane	Toxic for reproduction	401-720-1	6807-17-6	0.012
XX	197	1,7,7-trimethyl-3-(phenylmethylene)bi cyclo[2.2.1]heptan-2-one	Endocrine disrupting properties- environment	239-139-9	15087-24-8	0.005
XXI	198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) ⁽²⁾	Endocrine disrupting properties- environment	—	—	0.012
XXI	199	4-tert-butylphenol (PTBP)	Endocrine disrupting properties- environment	202-679-0	98-54-4	0.012
XXI	200	2-methoxyethyl acetate	Toxic for reproduction	203-772-9	110-49-6	0.01
XXI	201	2,3,3,3-tetrafluoro-2-(heptafluoroprop oxy)propanoic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) ⁽²⁾	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'-morphol inobutyrophenone	Toxic for reproduction	404-360-3	119313-12-1	0.01
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-m orpholinopropan-1-one	Toxic for reproduction	400-600-6	71868-10-5	0.01
XXII	204	Diisohexyl phthalate	Toxic for reproduction	276-090-2	71850-09-4	0.005
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts ⁽²⁾	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	Toxic for reproduction	214-012-0	1072-63-5	0.004

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XXIII	207	2-methylimidazole	Toxic for reproduction	211-765-7	693-98-1	0.004
XXIII	208	Butyl4-hydroxybenzoate	Endocrine Disrupting Chemicals	202-318-7	94-26-8	0.003
XXIII	209	Dibutylbis(pentane-2,4-dionato-O, O')tin ⁽¹⁾	Toxic for reproduction	245-152-0	22673-19-4	0.01
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl)ether ; (Tetraglyme)	Toxic for reproduction	205-594-7	143-24-8	0.01
XXIV	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 ⁽¹⁾	Toxic for reproduction	—	—	0.01
XXV	212	1,4-dioxane	Equivalent concern	204-661-8	123-91-1	0.01
XXV	213	2,2-bis(bromomethyl) propane1,3-d iol(BMP)	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) propionaldehy de and its individual stereoisomers (2)	Toxic for reproduction	—	—	0.01
XXV	215	4,4'-(1-methylpropylidene) bisphen ol (bisphenol B)	Endocrine disrupting properties	201-025-1	77-40-7	0.012
XXV	216	Glutaral	respiration sensitivity characteristics - human health	203-856-5	111-30-8	0.01

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
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⁾	PBT, vPvB	—	—	0.01
XXV	218	Orthoboric acid, sodium salt ⁽¹⁾	Toxic for reproduction	237-560-2	13840-56-7	0.01
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual ⁽²⁾	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) ⁽²⁾	Endocrine disrupting properties	—	—	0.01
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol ⁽²⁾	Toxic for reproduction	204-327-1	119-47-1	0.01
XXVI	222	S-(tricyclo(5.2.1.0 _{2,6})deca-3-en-8-ol or 9-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate ⁽²⁾	PBT, vPvB	401-850-9	255881-94-8	0.05
XXVI	223	tris(2-methoxyethoxy)vinylsilane ⁽²⁾	Toxic for reproduction	213-934-0	1067-53-4	0.005
XXVII	224	N-(hydroxymethyl)acrylamide	Carcinogenic Mutagenic	213-103-2	924-42-5	0.005

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XXVIII	225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	vPvB	253-692-3	37853-59-1	0.01
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	Carcinogenic	201-236-9	79-94-7	0.01
XXVIII	227	4,4'-sulphonyldiphenol	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 ⁽³⁾	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	vPvB	—	—	0.01
XXVIII	230	Isobutyl 4-hydroxybenzoate	Endocrine disrupting properties-human health	224-208-8	4247-02-3	0.01
XXVIII	231	Melamine	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	Toxic for reproduction; PBT;vPvB; Equivalent level of concern having probable serious effects to human health or the environment	—	—	0.005
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 ⁽¹⁾	vPvB	473-390-7	—	0.01
XXIX	234	Bis(4-chlorophenyl) sulphone	vPvB	201-247-9	80-07-9	0.01
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Toxic for reproduction	278-355-8	75980-60-8	0.01

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REACH247 Item List:

Batch No.	No.	Substance Name(s)	Substance Classification	EC No.	CAS No.	DL %
XXX	236	2,4,6-tri-tert-butylphenol	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	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	Toxic for reproduction	438-340-0	119344-86-4	0.01
XXX	239	Bumetizole	vPvB;	223-445-4	3896-11-5	0.01
XXX	240	OAPP	vPvB	700-960-7	—	0.01
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	Toxic for reproduction	201-279-3	80-43-3	0.025
XXXII	242	Triphenyl phosphate	Endocrine disrupting properties-environment	204-112-2	115-86-6	0.01
XXXIII	243	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	Toxic for reproduction	701-118-1	2156592-54-8	0.01
XXXIII	244	O,O,O-triphenyl phosphorothioate	PBT	209-909-9	597-82-0	0.05
XXXIII	245	Octamethyltrisiloxane	vPvB	203-497-4	107-51-7	0.01
XXXIII	246	Perfluamine	vPvB	206-420-2	338-83-0	0.01
XXXIII	247	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives ⁽³⁾	PBT	421-820-9	192268-65-8	0.05

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Test Report

(SVHC)

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REACH247 Test result (Unit: %)

Batch No.	No.	Substance Name(s)	Test Result
I- XXXIII	1-247	All tested SVHC in candidate list	N.D.

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) 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

(SVHC)

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Remarks:

- (1) The chemical analysis of specific SVHC is performed by means of currently available analytical. Techniques in the list published by ECHA as of 21 Jan 2025 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) SVHC mixed test has been performed in equal proportion for the components/materials.

Sample No. & Photo:



Pony authenticate the photo on original report only
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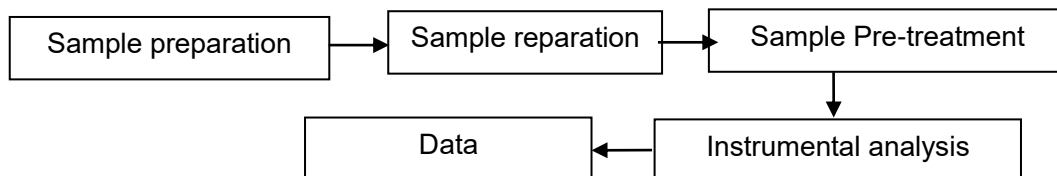


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Measurement Flow-chart



—End of Report—

