

# Test Report

Report No. A2210080571102003E

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## Test Result(s)

Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Concentration (%)	Report Limit (%)
-	-	SVHC All tested SVHC (See the candidate list)	-	-	N.D.	-

## Test Method:

US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.

ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID LC-MS-MS  
Analyzed by ICP-OES, UV-Vis, PLM, SEM, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID and LC-MS-MS.

/

**Sample/Part Description** White powder

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10. : UVCB ( )

0.1% w/w

MSDS

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. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.

11. :

In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

## Remark:

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

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**SVHC Candidate List of SVHC**

Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
I	1	Anthracene	120-12-7	204-371-1	0.005

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
II	17	Anthracene oil, anthracene paste, distn. lights ****	91995-17-4	295-278-5	0.05
II	18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05
II	19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05
II	20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05
II	21	Pitch, coal tar, high-temp.	65996-93-2	266-028-2	0.05
II	22	Acrylamide	79-06-1	201-173-7	0.01
II	23	2,4- 2,4-dinitrotoluene	121-14-2	204-450-0	0.01
II	24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.005
II	25	Lead chromate	7758-97-6	231-846-0	0.05
II	26	(C.I. 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	0.05
II	27	(C.I. 34) Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	0.05
II	28	(2- ) Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.01

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
III	34	Potassium chromate*	7789-00-6	232-140-5	0.01
III	35	Ammonium dichromate*	7789-09-5	232-143-1	0.01
III	36	Potassium dichromate*	7778-50-9	231-906-6	0.01
IV	37	Cobalt( ) sulphate*	10124-43-3	233-334-2	0.01
IV	38	Cobalt( ) dinitrate*	10141-05-6	233-402-1	0.01
IV	39	Cobalt( ) carbonate*	513-79-1	208-169-4	0.01
IV	40	Cobalt( ) diacetate*	71-48-7	200-755-8	0.01
IV	41	2-methoxyethanol	109-86-4	203-713-7	0.005
IV	42	2-ethoxyethanol	110-80-5	203-804-1	0.005
IV	43	Chromium trioxide*	1333-82-0	215-607-8	0.01
IV	44	Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01
V	45	2-ethoxyethyl acetate	111-15-9	203-839-2	0.01
V	46	Strontium chromate*	7789-06-2	232-142-6	0.01
V	47	1,2- ( ) 1,2-Benzenedicarboxylic acid, di-C7-11-607			

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
VI	55	Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	0.05
VI	56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	0.05
VI	57	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	0.01
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005
VI	59	2- ( ) 2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	0.005
VI	60	4-(1,1,3,3- ) ( )			



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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
VII	72	1,2- (2- ) 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
VII	74	Diboron trioxide*	1303-86-2	215-125-8	0.01
VII	75	Formamide	75-12-7	200-842-0	0.01
VII	76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01
VII	77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triaziane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.01
VII	78	- 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4, 6-(1H,3H,5H)-trione ( -TGIC)	59653-74-6	423-400-0	0.01
VII	79	4,4'- (N,N- ) ( ) ) 4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01
VII	80	4,4'-( ) ( ) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01
VII	81	C.I. 3 [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)***	548-62-9	208-953-6	0.01
VII	82	C.I. 26 [4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)***	2580-56-5	219-943-6	0.01

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
VII	83	C.I. 4 , -Bis[4-(dimethylamino) phenyl]-4(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	229-851-8	0.01
VII	84	, - [( ) ]-4- 4,4'-bis(dimethylamino)- 4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01
VIII	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.05
VIII	86	4- 9 9 UVCB 4-Nonylphenol, branched and linear [ <i>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</i> ]	-	-	0.05
VIII	87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(ADCA)	123-77-3	204-650-8	0.05
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [ <i>covering well-defined substances and UVCB substances, polymers and homologues</i> ]	-	-	0.05
VIII	89	Henicosaflluoroundecanoic acid	2058-94-8	218-165-4	0.05
VIII	90	Pentacosaflluorotridecanoic acid	72629-94-8	276-745-2	0.05

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
VIII	91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05
VIII	92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.05
VIII	93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05
VIII	94	Diisopentyl phthalate (DIPP)	605-50-5	210-088-4	0.05
VIII	95	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05
VIII	96	n-pentyl-isopentylphthalate	776297-69-9	933-378-9	0.05
VIII	97	Methoxyacetic acid	625-45-6	210-894-6	0.05
VIII	98	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05
VIII	99	1,2-diethoxyethane	629-14-1	211-076-1	0.05
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
VIII	101	2,4- 4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	0.05
VIII	102	N- N-methylacetamide	79-16-3	201-182-6	0.05
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6		

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
VIII	122	<i>o</i> -Toluidine	95-53-4	202-429-0	0.05
VIII	123	<i>o</i> -aminoazotoluene	97-56-3	202-591-2	0.05
VIII	124	4- 4-aminoazobenzene	60-09-3	200-453-6	0.05
VIII	125	6- - 6-methoxy- <i>m</i> -toluidine ( <i>p</i> -cresidine)	120-71-8	204-419-1	0.05
VIII	126	Dibutyltin dichloride (DBTC)*	683-18-1	211-670-0	0.05
VIII	127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	0.01
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.05
VIII	129	1- 1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05
VIII	130	Trilead bis(carbonate) dihydroxide*	1319-46-6	215-290-6	0.01
VIII	131	C16-18- Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	0.01
VIII	133	(II) Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01
VIII	134	4,4'- 4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05
VIII	135	Lead oxide sulfate*	12036-76-9	234-853-7	0.01
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01
VIII	137	Silicic acid, lead salt*	11120-22-2	234-363-3	0.01
VIII	138	N,N- N,N-dimethylformamide	68-12-2	200-679-5	0.05
IX	139	Cadmium	7440-43-9	231-152-8	0.01
IX	140	Cadmium oxide*	1306-19-0	215-146-2	0.01
IX	141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
IX	142	4- 9 4 UVCB  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]	-	-	0.05
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01
X	145	( ) Trixylyl phosphate	25155-23-1	246-677-8	0.01
X	146	C.I. 38 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	217-710-3	0.01
X	147	Dihexyl phthalate	84-75-3	201-559-5	0.01
X	148	Cadmium sulphide*	1306-23-6	215-147-8	0.01
X	149	C.I. 28 Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4- aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)***	573-58-0	209-358-4	0.01
X	150	( ) Lead di(acetate)*	301-04-2	206-104-4	0.01
X	151	1,2- Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01
XI	153	Cadmium chloride *	10108		

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
XIII	162	1,2- , -C6-10- 1,2- 0.3% (EC No. 201-559-5) 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 (EC No. 201- 559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	0.05
XIII	163	5- -2-(2,4- -3- -1- )-5- -1,3- [1] 5- -2-(4,6- -3- -1- )-5- -1,3- [2] [ [1] [2] ] 5-sec-butyl-2-(2,4- dimethylcyclohex-3-en- 1-yl)-5- methyl-1,3-dioxane [1], 5-sec- butyl- 2-(4,6-dimethylcyclohex- 3-en-1-yl)-5-methyl-1,3- dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	0.05
XIV	164	Nitrobenzene	98-95-3	202-716-0	0.01
XIV	165	2,4- - -6-(5- -2H- -2- ) 2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.01
XIV	166	2-(2'- -3'- -5'- ) 2-(2H-benzotriazol-2-yl)- 4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	253-037-1	0.01
XIV	167	1,3- 1,3-propanesultone	1120-71-4	214-317-9	0.01
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3 - -	0.01
XV	169	(a) Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.01



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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
XVI	170	A 4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	201-245-8	0.01
XVI	171	(PFDA) Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 -	0.01
XVI	172	4-(1,1- ) ( ) <i>p</i> -(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.01
XVI	173	4- ( / 7 4 UVCB ) 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	0.05
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.0005
XVIII	175	( ) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	-	0.01
XVIII	176	[a] Benzo[a]anthracene	56-55-3	200-280-6	0.01
XVIII	177	Cadmium nitrate*	10325-94-7	233-710-6	0.01
XVIII	178	Cadmium carbonate*	513-78-0	208-168-9	0.01
XVIII	179	Cadmium hydroxide*	21041-95-2	244-168-5	0.01
XVIII	180	Chrysene	218-01-9	205-923-4	0.01

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Batch	No.	Substance Name(s)	CAS CAS No.	EC EC No.	Report Limit (%)
XX	197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	239-139-9	0.01
XXI	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)	-	-	0.01
XXI	199	2-methoxyethyl acetate	110-49-6	203-772-9	0.01
XXI	200	4-tert-butylphenol	98-54-4	202-679-0	0.01
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01
XXII	204	Diisohexyl phthalate (PFBS)	71850-09-4	276-090-2	0.01
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01
XXIII	206	1-vinylimidazole	1072-63-5	214-012-0	0.01

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**Appendix:**

1. REACH 1907/2006 33  
0.1%

Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

1)

Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.

2)

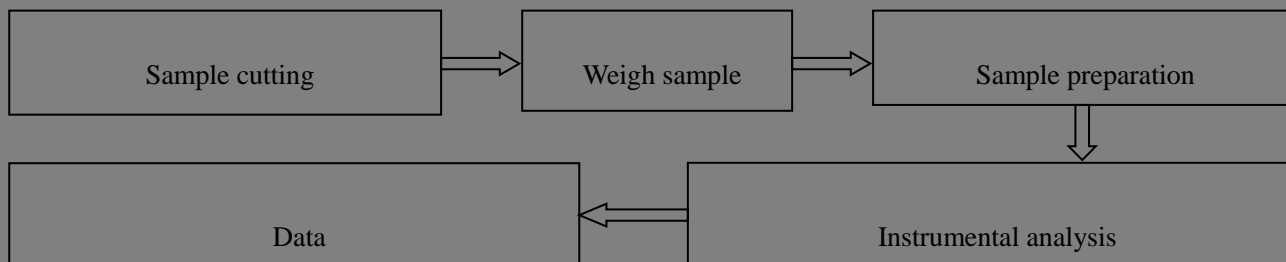
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## Test Process



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## Photo(s) of the sample(s)



### Statement

1. “ ”

This report is considered invalid without approved signature, special seal and the seal on the perforation;

2. CTI

The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;

3.

The result(s) shown in this report refer(s) only to the sample(s) tested;

4. CTI

Without written approval of CTI, this report can't be reproduced except in full;

5.

In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

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\*\*\* End of Report \*\*\*