



**CENTRE OF TESTING SERVICE  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **TEST REPORT**

**Test Report Number : C3201119037-C-R1**

**CTS (Ningbo) Testing Service Technology Co., Ltd.  
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**TEST REPORT**

REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 1 of 32

**Table of contents**

<b>1</b>	<b>General Information</b>	<b>2</b>
1.1	Application Details	2
1.2	Manufacturer & Buyer	2
1.3	Description of the Test Item	2
<b>2</b>	<b>Test Results</b>	<b>3</b>
2.1	General Information	3
2.1.1	Sample Receiving Date	3
2.1.2	Testing Period	3
2.1.3	Test Requested	3
2.1.4	Test Method and Test Instrument	5
2.1.5	Conclusion	5
2.2	Results	5
<b>3</b>	<b>Sample Reference Photo</b>	<b>31</b>
<b>4</b>	<b>Attachment</b>	<b>32</b>

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**TEST REPORT**REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 2 of 32**1 General Information****1.1 Application Details**Name : Yiwu MengYa Commodity Exchange Goods Firm  
Address : Duantou 2nd Distirct,6th Building,2nd House,3F,Yiwu,Zhejiang  
Contact : YIWUMENGYA  
Telephone : +86-85176388  
Fax : /  
Mobile telephone : /  
Email : /**1.2 Manufacturer & Buyer**Manufacturer name : Yiwu MengYa Commodity Exchange Goods Firm  
Address : Duantou 2nd Distirct,6th Building,2nd House,3F,Yiwu,Zhejiang  
Contact : YIWUMENGYA  
Telephone : +86-85176388  
Fax : /  
Mobile telephone : /  
Email : /  
Buyer name : Trendy store GmbH**1.3 Description of the Test Item**Sample name : Disposable plane protective mask  
Model No. : 00500/00501/00502/00503/00504/00506/00508/00509/00510/00511/  
00512/00513/00514/00515/00516/00517/00518/00519/00520/00521/  
00522/00523/00524/00525/00526/00527/00528/00529/00530/00531/  
00532/00533/00534/00535/00536/00537/00538/00539/00540/00541/  
00542/00543/00544/00545/00546/00547/82191/82192/82193/80969  
Brand name : /  
Condition of sample(s) : EFFECTIVE

**TEST REPORT**

REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 3 of 32

**2 Test Results****2.1 General Information****2.1.1 Sample Receiving Date**

Nov. 19, 2020

**2.1.2 Testing Period**

Nov. 19, 2020 to Nov. 24, 2020

**2.1.3 Test Requested**

- 1) As specified by applicant, based on the list published by European chemicals agency (ECHA) on 2008 October 28 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the fifteen (15) Substances of Very High Concern (SVHC) content in the submitted sample.
- 2) As specified by applicant, based on the list published by European chemicals agency (ECHA) on 2010 January 13 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the thirteen (13) Substances of Very High Concern (SVHC) content in the submitted sample.
- 3) As specified by applicant, based on the list published by European chemicals agency (ECHA) on 2010 June 18 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the eight (8) Substances of Very High Concern (SVHC) content in the submitted sample.
- 4) As specified by applicant, based on the list of the fourth published by European chemicals agency (ECHA) on 2010 December for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the eight (8) Substances of Very High Concern (SVHC) content in the submitted sample.
- 5) As specified by applicant, based on the list of the fifth published by European chemicals agency (ECHA) on 2011 May 31 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the seven (7) Substances of Very High Concern (SVHC) content in the submitted sample.
- 6) As specified by applicant, based on the list of the sixth published by European chemicals agency (ECHA) on 2011 December 19 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the twenty (20) Substances of Very High Concern (SVHC) content in the submitted sample.
- 7) As specified by applicant, based on the list of the seventh published by European chemicals agency (ECHA) on 2012 June 18 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the thirteen (13) Substances of Very High Concern (SVHC) content in the submitted sample.
- 8) As specified by applicant, based on the list of the eighth published by European chemicals agency (ECHA) on 2012 December 19 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the fifty four (54) Substances of Very High Concern (SVHC) content in the submitted sample.

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**TEST REPORT**

REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 4 of 32

- 9) As specified by applicant, based on the list of the ninth published by European chemicals agency (ECHA) on 2013 June 20 for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the six (6) Substances of Very High Concern (SVHC) content in the submitted sample.
- 10) As specified by applicant, based on the list of the tenth published by European chemicals agency (ECHA) on 2013 December for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the seven (7) Substances of Very High Concern (SVHC) content in the submitted sample.
- 11) As specified by applicant, based on the list of the eleventh published by European chemicals agency (ECHA) on 2014 June for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the four (4) Substances of Very High Concern (SVHC) content in the submitted sample.
- 12) As specified by applicant, based on the list of the twelfth published by European chemicals agency (ECHA) on 2014 December for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the six (6) Substances of Very High Concern (SVHC) content in the submitted sample.
- 13) As specified by applicant, based on the list of the thirteenth published by European chemicals agency (ECHA) on 2015 June for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the two (2) Substances of Very High Concern (SVHC) content in the submitted sample.
- 14) As specified by applicant, based on the list of the fourteenth published by European chemicals agency (ECHA) on 2015 October for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the five (5) Substances of Very High Concern (SVHC) content in the submitted sample.
- 15) As specified by applicant, based on the list of the fifteenth published by European chemicals agency (ECHA) on 2016 June for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the one (1) Substance of Very High Concern (SVHC) content in the submitted sample.
- 16) As specified by applicant, based on the list of the sixteenth published by European chemicals agency (ECHA) on 2016 December for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the four (4) Substances of Very High Concern (SVHC) content in the submitted sample.
- 17) As specified by applicant, based on the list of the seventeenth published by European chemicals agency (ECHA) on 2017 June for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the one (1) Substance of Very High Concern (SVHC) content in the submitted sample.
- 18) As specified by applicant, based on the list of the eighteenth published by European chemicals agency (ECHA) on 2017 December for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the seven (7) Substance of Very High Concern (SVHC) content in the submitted sample.
- 19) As specified by applicant, based on the list of the nineteenth published by European chemicals agency (ECHA) on 2018 June for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the ten (10) Substance of Very High Concern (SVHC) content in the submitted sample.
- 20) As specified by applicant, based on the list of the twentieth published by European chemicals agency (ECHA) on 2019 January for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the six (6) Substances of Very High Concern (SVHC) content in the submitted sample.

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 5 of 32

- 21) As specified by applicant, based on the list of the twenty-first published by European chemicals agency (ECHA) on 2019 June for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the four (4) Substances of Very High Concern (SVHC) content in the submitted sample.
- 22) As specified by applicant, based on the list of the twenty-second published by European chemicals agency (ECHA) on 2019 October for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the four (4) Substances of Very High Concern (SVHC) content in the submitted sample.
- 23) As specified by applicant, based on the list of the twenty-third published by European chemicals agency (ECHA) on 2020 April for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the five (5) Substances of Very High Concern (SVHC) content in the submitted sample.
- 24) As specified by applicant, based on the list of the twenty-fourth published by European chemicals agency (ECHA) on 2020 October for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the two (2) Substances of Very High Concern (SVHC) content in the submitted sample.

### 2.1.4 Test Method and Test Instrument

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004, BS EN 14582:2007, EN 14372:2004 for sample pretreatment. Analyzed by ICP-OES, UV-Vis, IC, HPLC, GC-MS and LC-MS-MS.

### 2.1.5 Conclusion

According to the specified scope and analytical technique, concentrations of all SVHC are <0.1% in the submitted sample(s)

## 2.2 Results

Test Item	Description	No.	Location
I	Textile group	1	Blue fabric
		2	Pink fabric
		3	Black fabric
		4	White fabric
		5	White elastic
		6	Black elastic

<b>Maximum Allowable Limit:</b>	<b>0.1% (Each of listed)</b>
---------------------------------	------------------------------

Test Item	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I	N.D.	N.D.	%	PASS

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 6 of 32

### 1) The fifteen (15) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
1	Anthracene	120-12-7	%	0.005	PBT
2	4,4'-Diaminodiphenylmethane	101-77-9	%	0.005	CMR
3	Dibutyl phthalate(DBP)	84-74-2	%	0.005	CMR; Equivalent level of concern having probable serious effects to human health and environment (Article 57 f)
4	Benzyl butyl phthalate (BBP)	85-68-7	%	0.005	CMR; Equivalent level of concern having probable serious effects to human health and environment (Article 57 f)
5	Cobalt dichloride*	7646-79-9	%	0.05	CMR
6	Diarsenic pentaoxide*	1303-28-2	%	0.05	CMR
7	Diarsenic trioxide*	1327-53-3	%	0.05	CMR
8	Sodium dichromate, dehydrate <sup>#</sup>	7789-12-0, 10588-01-9	%	0.05	CMR
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	%	0.005	vPvB
10	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	%	0.005	CMR; Equivalent level of concern having probable serious effects to human health and environment (Article 57 f)
11	Hexabromocyclododecane (HBCDD)	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	%	0.005	PBT
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	%	0.005	PBT
13	Bis(tributyltin)oxide	56-35-9	%	0.005	PBT
14	Lead hydrogen arsenate*	7784-40-9	%	0.05	CMR
15	Triethyl arsenate*	15606-95-8	%	0.05	CMR

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 7 of 32

3. MQL=Method Quantitation Limit

4. \*The Substances are tested in term of their respective elements (e.g. As,Pb,Co).

5. #The Substances are tested in term of hexavalent chromium, Cr(VI).

2) The thirteen (13) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
16	Anthracene oil(**)	90640-80-5	%	0.05	PBT
17	Anthracene oil, anthracene paste,	91995-17-4	%	0.05	PBT
18	Anthracene oil, anthracene paste, anthracene fraction(**)	91995-15-2	%	0.05	PBT
19	Anthracene oil, anthracene-low(**)	90640-82-7	%	0.05	PBT
20	Anthracene oil, anthracene paste(**)	90640-81-6	%	0.05	PBT
21	Pitch, coal tar, high-temp.(**)	65996-93-2	%	0.05	PBT
22	DIBP (Di-isobutyl phthalate)	84-69-5	%	0.005	Toxic to Reproduction Category 2; Equivalent level of concern having probable serious effects to human health and environment (Article 57 f)
23	2,4-Dinitrotoluene	121-14-2	%	0.005	Carcinogen Category 2
24	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	%	0.005	Toxic to Reproduction Category 2
25	Lead chromate	7758-97-6	%	0.01	Carcinogen Category 2; Toxic to Reproduction Category 1
26	Lead chromate molybdate sulphate red(C.I. Pigment Red 104)	12656-85-8	%	0.01	Carcinogen Category 2; Toxic to Reproduction Category 1
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	%	0.01	Carcinogen Category 2; Toxic to Reproduction Category 1
28	Acrylamide	79-06-1	%	0.01	Carcinogen Category2; Mutagen Category 2

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 8 of 32

- Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. (\*\*): The concentrations of above-mentioned mixtures are evaluated per the gained composition rate between the selected marks and the mixtures.  
 5. Classification of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006.  
 6. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

### 3) The eight (8) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
29	Trichloroethylene	79-01-6	%	0.05	Carcinogenic category 2
30	Boric acid*	10043-35-3 11113-50-1	%	0.05	Toxic for reproduction category 2
31	Disodium tetraborate, anhydrous*	1330-43-4 12179-04-3 1303-96-4	%	0.05	Toxic for reproduction category 2
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	%	0.05	Toxic for reproduction category 2
33	Sodium chromate*	7775-11-3	%	0.05	Carcinogenic category 2; mutagenic category 2; toxic for reproduction category 2
34	Potassium chromate*	7789-00-6	%	0.05	Carcinogenic category 2; mutagenic category 2
35	Ammonium dichromate*	7789-09-5	%	0.05	Carcinogenic category 2; mutagenic category 2; toxic for reproduction category 2
36	Potassium dichromate*	7778-50-9	%	0.05	Carcinogenic category 2; mutagenic category 2; toxic for reproduction category 2

- Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 9 of 32

3. MQL=Method Quantitation Limit

4. \*The Substances are tested in term of their respective elements (e.g. B, Cr).

4) The eight (8) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
37	Cobalt(II) sulphate*	10124-43-3	%	0.05	CMR (carcinogen, cat. 2; toxic for reproduction, cat. 2)
38	Cobalt(II) dinitrate*	10141-05-6	%	0.05	CMR (carcinogen, cat. 2; toxic for reproduction, cat. 2)
39	Cobalt(II) carbonate*	513-79-1	%	0.05	CMR (carcinogen, cat. 2; toxic for reproduction, cat. 2)
40	Cobalt(II) diacetate*	71-48-7	%	0.05	CMR (carcinogen, cat. 2; toxic for reproduction, cat. 2)
41	2-Methoxyethanol	109-86-4	%	0.05	CMR (toxic for reproduction, cat. 2)
42	2-Ethoxyethanol	110-80-5	%	0.05	CMR (toxic for reproduction, cat. 2)
43	Chromium trioxide*	1333-82-0	%	0.05	CMR (carcinogen, cat. 1; mutagen, cat. 2)
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	%	0.05	CMR (carcinogen, cat. 2)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 10 of 32

3. MQL=Method Quantitation Limit

4. \*The Substances are tested in term of their respective elements (e.g.Co, Cr).

5) The seven (7) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
45	2-ethoxyethylacetate	111-15-9	%	0.05	CMR (toxic for reproduction, cat. 2)
46	1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters(DHNUP)	68515-42-4	%	0.05	CMR (toxic for reproduction, cat. 2)
47	hydrazine	7803-57-8 302-01-2	%	0.05	CMR (carcinogen, cat. 2)
48	1-methyl-2-pyrrolidone	872-50-4	%	0.05	CMR (toxic for reproduction, cat. 2)
49	1,2,3-trichloropropane	96-18-4	%	0.05	CMR (carcinogen, cat. 2; toxic for reproduction, cat. 2)
50	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich(DIHP)	71888-89-6	%	0.05	CMR (toxic for reproduction, cat. 2)
51	Strontium chromate *	7789-06-2	%	0.05	CMR (carcinogen, cat. 2)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. B, Cr).

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 11 of 32

### 6) The twenty (20) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	ML	Classification
52	1,2-Dichloroethane	107-06-2	%	0.050	carcinogenic
53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	%	0.050	carcinogenic
54	2-Methoxyaniline o-Anisidine	90-04-0	%	0.050	carcinogenic
55	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	%	0.050	equivalent level of concern
56	Aluminosilicate Refractory Ceramic Fibres(RCF)*	--	%	0.005	carcinogenic
57	Arsenic acid*	7778-39-4	%	0.005	carcinogenic
58	Bis(2-methoxyethyl) ether	111-96-6	%	0.050	toxic for reproduction
59	Bis(2-methoxyethyl) phthalate	117-82-8	%	0.050	toxic for reproduction
60	Calcium arsenate*	7778-44-1	%	0.005	carcinogenic
61	Dichromium tris(chromate) *	24613-89-6	%	0.005	carcinogenic
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	%	0.050	carcinogenic
63	Lead diazide*	13424-46-9	%	0.005	toxic for reproduction
64	Lead dipicrate*	6477-64-1	%	0.005	toxic for reproduction
65	Lead styphnate*	15245-44-0	%	0.005	toxic for reproduction
66	N,N-dimethylacetamide (DMAC)	127-19-5	%	0.050	toxic for reproduction

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 12 of 32

67	Pentazinc chromate octahydroxide*	49663-84-5	%	0.005	carcinogenic
68	Phenolphthalein	77-09-8	%	0.050	carcinogenic
69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	%	0.005	carcinogenic
70	Trilead diarsenate*	3687-31-8	%	0.005	carcinogenic & toxic for reproduction
71	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)*	--	%	0.005	carcinogenic

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. As,Pb,Cr,Al,Ca,K,Zr).

7) The thirteen (13) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
72	1,2-bis(2methoxy-ethoxy) ethane (TEGDME; triglyme)	112-49-2	%	0.050	CMR
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	%	0.050	CMR
74	4,4'-bis(dimethylamino)-4''(methyl-amino)trityl alcohol (C.I. Solvent Violet 8)	561-41-1	%	0.005	CMR
75	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	%	0.050	CMR
76	4-[4,4'-bis(dimethyl-amino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethyl ammonium chloride (C.I. Basic Violet 3)	548-62-9	%	0.005	CMR
77	[4-[[4-anilino-1-naphthyl] [4(dimethylamino)phenyl]]	2580-56-5	%	0.005	CMR

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 13 of 32

	methylene]cyclohexa-2,5-dien-1ylidene] dimethyl ammonium chloride (C.I. Basic Blue 26)				
78	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	%	0.005	CMR
79	$\alpha,\alpha$ -Bis[4(dimethylamino) phenyl]-4-(phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	%	0.005	CMR
80	Diboron trioxide*	1303-86-2	%	0.050	CMR
81	Formamide	75-12-7	%	0.005	CMR
82	Lead(II) bis(methanesulfonate) *	17570-76-2	%	0.050	CMR
83	TGIC (1,3,5tris(oxiranyl methyl)-1,3,5triazine-2,4,6(1H,3H,5H)trione)	2451-62-9	%	0.050	CMR
84	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6(1H,3H,5H) trione)	59653-74-6	%	0.050	CMR

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Pb,B).

8) The fifty four (54) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	%	0.005	PBT ; vPvB
86	Pentacosafuorotridecanoic acid	72629-94-8	%	0.050	vPvB
87	Tricosafuorododecanoic acid	307-55-1	%	0.050	vPvB
88	Henicosafuoroundecanoic acid	2058-94-8	%	0.050	vPvB

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 14 of 32

89	Heptacosafuorotetradecanoic acid	376-06-7	%	0.050	vPvB
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	%	0.050	Equivalent level of concern - probable serious effects on the environment
91	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	%	0.050	Equivalent level of concern - probable serious effects on the environment
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	%	0.005	Equivalent level of concern - probable serious effects on human health
93	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3	%	0.005	Equivalent level of concern - probable serious effects on human health
94	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	%	0.005	Equivalent level of concern - probable serious effects on human health
95	Methoxy acetic acid	625-45-6	%	0.050	Toxic for reproduction ; equivalent level of concern -probable serious effects on human health and the environment
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.050	Toxic for reproduction
97	Diisopentylphthalate (DIPP)	605-50-5	%	0.005	Toxic for reproduction
98	N-pentyl-isopentylphthalate	776297-69-9	%	0.050	Toxic for reproduction

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 15 of 32

99	1,2-Diethoxyethane	629-14-1	%	0.050	Toxic for reproduction
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	%	0.050	Toxic for reproduction
101	Dibutyltin dichloride (DBT)	683-18-1	%	0.005	Toxic for reproduction
102	Acetic acid, lead salt, basic*	51404-69-4	%	0.050	Toxic for reproduction
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide) *	1319-46-6	%	0.050	Toxic for reproduction
104	Lead oxide sulfate (basic lead sulfate) *	12036-76-9	%	0.050	Toxic for reproduction
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) *	69011-06-9	%	0.050	Toxic for reproduction
106	Dioxobis(stearato)trilead*	12578-12-0	%	0.050	Toxic for reproduction
107	Fatty acids, C16-18, lead salts*	91031-62-8	%	0.050	Toxic for reproduction
108	Lead bis(tetrafluoroborate) *	13814-96-5	%	0.050	Toxic for reproduction
109	Lead cyanamidate*	20837-86-9	%	0.050	Toxic for reproduction
110	Lead dinitrate*	10099-74-8	%	0.050	Toxic for reproduction
111	Lead oxide (lead monoxide) *	1317-36-8	%	0.050	Toxic for reproduction
112	Lead tetroxide (orange lead) *	1314-41-6	%	0.050	Toxic for reproduction
113	Lead titanium trioxide*	12060-00-3	%	0.050	Toxic for reproduction
114	Lead Titanium Zirconium Oxide*	12626-81-2	%	0.050	Toxic for reproduction
115	Pentalead tetraoxide sulphate*	12065-90-6	%	0.050	Toxic for reproduction
116	Pyrochlore, antimony lead yellow*	8012-00-8	%	0.050	Toxic for reproduction

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 16 of 32

117	Silicic acid, barium salt, lead-doped*	68784-75-8	%	0.050	Toxic for reproduction
118	Silicic acid, lead salt*	11120-22-2	%	0.050	Toxic for reproduction
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	%	0.050	Toxic for reproduction
120	Tetraethyllead*	78-00-2	%	0.050	Toxic for reproduction
121	Tetralead trioxide sulphate*	12202-17-4	%	0.050	Toxic for reproduction
122	Trilead dioxide phosphonate*	12141-20-7	%	0.050	Toxic for reproduction
123	Furan	110-00-9	%	0.050	Carcinogenic
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	%	0.050	Carcinogenic ; Mutagenic
125	Diethyl sulphate	64-67-5	%	0.050	Carcinogenic ; Mutagenic
126	Dimethyl sulphate	77-78-1	%	0.050	Carcinogenic
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	%	0.050	Toxic for reproduction
128	Dinoseb	88-85-7	%	0.050	Toxic for reproduction
129	4,4'-methylenedi-o-toluidine	838-88-0	%	0.005	Carcinogenic
130	4,4'-oxydianiline and its salts	101-80-4	%	0.005	Carcinogenic ; Mutagenic
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	%	0.005	Carcinogenic
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	%	0.005	Carcinogenic
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	%	0.005	Carcinogenic
134	Biphenyl-4-ylamine	92-67-1	%	0.005	Carcinogenic
135	o-aminoazotoluene	97-56-3	%	0.005	Carcinogenic
136	o-Toluidine; 2-Aminotoluene	95-53-4	%	0.005	Carcinogenic

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 17 of 32

137	N-methylacetamide	79-16-3	%	0.005	Toxic for reproduction
138	1-bromopropane; n-propyl bromide	106-94-5	%	0.005	Toxic for reproduction

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Pb,Ba,Zr,Ti).

9) The six (6) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
139	Cadmium	7440-43-9	%	0.05	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
140	Cadmium oxide *	1306-19-0	%	0.05	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	%	0.05	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
142	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	%	0.05	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
143	Dipentyl phthalate (DPP)	131-18-0	%	0.05	Toxic for reproduction (Article 57 c)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 18 of 32

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]	--	%	0.05	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
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Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Cd).

10) The seven (7) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
145	Cadmium sulphide*	1306-23-6	%	0.05	Carcinogenic (Article 57 a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
146	Dihexyl phthalate(DnHP)	84-75-3	%	0.05	Toxic for reproduction (Article 57 c)
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	%	0.05	Carcinogenic (Article 57a)
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	%	0.05	Carcinogenic (Article 57a)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 19 of 32

149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	%	0.05	Toxic for reproduction (Article 57 c)
150	Lead diacetate*	301-04-2	%	0.05	Toxic for reproduction (Article 57 c)
151	Trixylyl phosphate	25155-23-1	%	0.05	Toxic for reproduction (Article 57 c)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Pb,Cd).

11) The four (4) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
152	Sodium perborate; perboric acid, sodium salt*	--	%	0.05	Toxic for reproduction (Article 57 c)
153	Sodium peroxometaborate*	7632-04-4	%	0.05	Toxic for reproduction (Article 57 c)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 20 of 32

154	Cadmium chloride*	10108-64-2	%	0.05	Carcinogenic (Article 57a); Mutagenic (Article 57(b)); Toxic for Reproduction (Article 57(c)); Equivalent level of concern having probable serious effects to human health (Article 57 f)
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.05	Toxic for reproduction (Article 57 c)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Na,Cd).

### 12) The six (6) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	%	0.05	PBT;vPvB
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	%	0.05	PBT;vPvB
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	%	0.05	Toxic for reproduction (Article 57 c)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 21 of 32

159	Cadmium fluoride*	7790-79-6	%	0.05	CMR; Equivalent level of concern having probable serious effects to human health and environment (Article 57 f)
160	Cadmium sulphate*	10124-36-4; 31119-53-6	%	0.05	CMR; Equivalent level of concern having probable serious effects to human health and environment (Article 57 f)
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	%	0.05	Toxic for reproduction (Article 57 c)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Cd, Sn).

13) The two (2) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	%	0.05	Toxic for Reproduction (Article 57 c)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 22 of 32

163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	--	%	0.05	vPvB (Article 57 e)
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Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit

14) The five (5) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	ML	Classification
164	1,3-propanesultone	1120-71-4	%	0.05	Carcinogenic (Article 57 a)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	%	0.05	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	%	0.05	vPvB (Article 57 e)
167	Nitrobenzene	98-95-3	%	0.05	Toxic for reproduction (Article 57 c)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 23 of 32

168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9- heptadecafluorononanoic acid and its sodium and ammonium salts*	375-95-1 21049-39-8 4149-60-4	%	0.05	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
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Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Na).

15) The one (1) Substance of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	%	0.05	CMT, PBT, vPvB

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit

16) The four (4) Substances of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	%	0.05	Toxic for reproduction (Article 57 c)

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 24 of 32

171	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	%	0.05	Toxic for reproduction (Article 57 c) PBT(Article 57 d)
172	4-heptylphenol, branched and linear (4-HPbl)	--	%	0.05	Equivalent level of concern having probable serious effects to human health (Article 57 f)
173	p-(1,1-dimethylpropyl)phenol	80-46-6	%	0.05	Equivalent level of concern having probable serious effects to human health (Article 57 f)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Na).

17) The one (1) Substance of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS)	355-46-4	%	0.05	vPvB (Article 57 e)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 25 of 32

18) The seven (7) Substance of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9 ; 135821-74-8 ; 135821-03-3	%	0.05	vPvB(Article 57 e)
176	Benz[a]anthracene	56-55-3	%	0.05	CMR (Article 57a) , PBT (Article 57d) , vPvB (Article 57e)
177	Cadmium nitrate*	10325-94-7	%	0.05	CMR (Article 57a) , CMR (Article 57b) , (Article 57(f) - human health)
178	Cadmium carbonate*	513-78-0	%	0.05	CMR (Article 57a) , CMR (Article 57b) , (Article 57(f) - human health)
179	Cadmium hydroxide*	21041-95-2	%	0.05	CMR (Article 57a) , CMR (Article 57b) , (Article 57(f) - human health)
180	Chrysene	218-01-9	%	0.05	CMR (Article 57a) , PBT (Article 57d) , vPvB (Article 57e)
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	%	0.05	EDCS (Article 57(f) – environment)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 26 of 32

3. MQL=Method Quantitation Limit
4. \*The Substances are tested in term of their respective elements (e.g. Cd).

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 27 of 32

### 19) The ten (10) Substance of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
182	Terphenyl, hydrogenated	61788-32-7	%	0.05	vPvB
183	Octamethylcyclotetrasiloxane(D4)	556-67-2	%	0.05	PBT; vPvB
184	Lead	7439-92-1	%	0.05	Toxic for reproduction
185	Ethylenediamine (EDA)	107-15-3	%	0.05	Respiratory sensitising properties
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	%	0.05	PBT; vPvB
187	Disodium octaborate*	12008-41-2	%	0.05	Toxic for reproduction
188	Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.05	Toxic for reproduction; Endocrine disrupting properties
189	Decamethylcyclopentasiloxane (D5)	541-02-6	%	0.05	PBT; vPvB
190	Benzo[ghi]perylene	191-24-2	%	0.05	PBT; vPvB
191	Benzene-1,2,4- tricarboxylic acid 1,2 anhydride (TMA)	552-30-7	%	0.05	Respiratory sensitising properties

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. \*The Substances are tested in term of their respective elements (e.g. Na).

### 20) The six (6) Substance of Very High Concern (SVHC)

No.	Substance Name	CAS No.	Unit	MQL	Classification
192	Pyrene	129-00-0 1718-52-1	%	0.05	PBT; vPvB
193	Phenanthrene	85-01-8	%	0.05	vPvB
194	Fluoranthene	206-44-0 93951-69-0	%	0.05	PBT; vPvB
195	Benzo[k]fluoranthene	207-08-9	%	0.05	Carcinogenic; PBT; vPvB

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 28 of 32

196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	%	0.05	Toxic for reproduction
197	1,7,7-trimethyl-3-(phenylmethylene)-Bicyclo[2.2.1]heptan-2-one	15087-24-8	%	0.05	Endocrine disrupting properties

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit

21) The four (4) Substance of Very High Concern (SVHC) content

No.	Substance Name	CAS No.	Unit	MQL	Classification
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)	-	%	0.05	Equivalent level of concern having probable serious effects on the environment (Article 57f) Equivalent level of concern having probable serious effects on human health (Article 57f)
199	2-methoxyethyl acetate	110-49-6	%	0.05	Toxic for reproduction (Article 57c)
200	4-tert-butylphenol	98-54-4	%	0.05	Endocrine disrupting properties (Article 57(f) – environment)
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP))	-	%	0.05	Endocrine disrupting properties (Article 57(f) – environment)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit

## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 29 of 32

### 22) The four (4) Substance of Very High Concern (SVHC) content

No.	Substance Name	CAS No.	Unit	MQL	Classification
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	%	0.05	Toxic for reproduction (Article 57c)
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	%	0.05	Toxic for reproduction (Article 57c)
204	Diisohexyl phthalate	71850-09-4	%	0.05	Toxic for reproduction (Article 57c)
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	%	0.05	Equivalent level of concern having probable serious effects on the environment (Article 57f) Equivalent level of concern having probable serious effects on human health (Article 57f)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit

### 23) The five (5) Substance of Very High Concern (SVHC) content

No.	Substance Name	CAS No.	Unit	MQL	Classification
206	1-vinylimidazole	1072-63-5	%	0.05	Toxic for reproduction (Article 57c)
207	2-methylimidazole	693-98-1	%	0.05	Toxic for reproduction (Article 57c)
208	Butyl 4-hydroxybenzoate	94-26-8	%	0.05	Endocrine disrupting properties (Article 57(f) – human health)
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	%	0.05	Toxic for reproduction (Article 57c)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%

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## TEST REPORT

REPORT No. : C3201119037-C-R1  
 DATE : Nov. 26, 2020  
 PAGE : 30 of 32

### 3. MQL=Method Quantitation Limit

24) The two (2) Substance of Very High Concern (SVHC) content

210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	%	0.05	N.D.	Toxic for reproduction (Article 57c)
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	-	%	0.05	N.D.	Toxic for reproduction (Article 57c)

Note : 1. N.D. = not detected (less than MQL)  
 N.A.=Not applicable  
 2. 1mg/kg=1ppm=0.0001%  
 3. MQL=Method Quantitation Limit  
 4. The report is amended from the report C3201119037-C.  
 The report C3201119037-C become invalid.

Written by:

*Jessie*

Inspected by:

*Susei*

Approved by:

*Jan*



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

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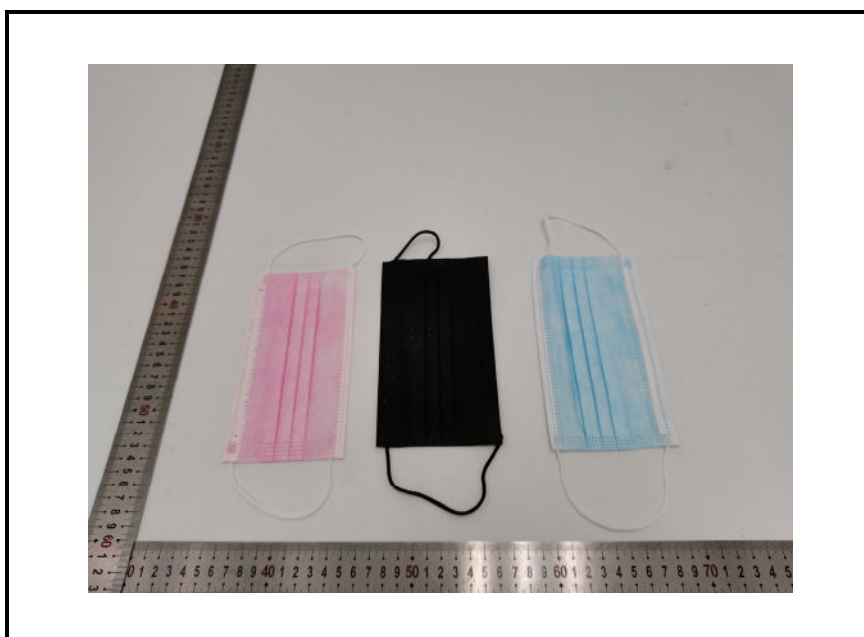
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## TEST REPORT

REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 31 of 32

### 3 Sample Reference Photo



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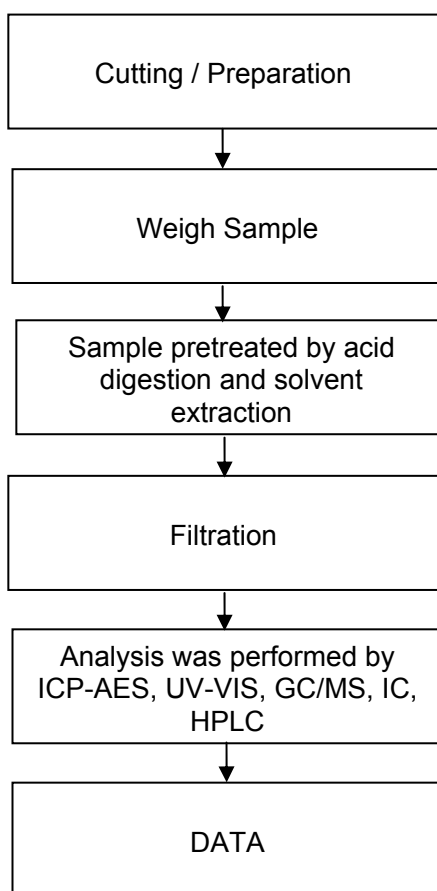


**TEST REPORT**

REPORT No. : C3201119037-C-R1  
DATE : Nov. 26, 2020  
PAGE : 32 of 32

**4 Attachment**

Analytical flow chart of SVHC



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