



**Test Report
(SVHC)**

No.: EBO19XXXXX-CXXX

Date: March 5, 2019

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XXXXXXX

XXXXXXXXXXXXXXXXXX

The following sample(s) was/were submitted and identified on behalf of the applicant as:

XXXXXX

EBO Job No.: EBO19XXXXX-CXXX

Model No.: /

Date of Sample Received: March 1, 2019

Testing Period: March 1, 2019 To March 5, 2019

Test Requested: As requested by client, SVHC screening is performed according to:
Seventy-one (71) Inorganic substances in the Candidate List of Substances of
Very High Concern (SVHC) for authorization published by European
Chemicals Agency (ECHA) on and before 27 June, 2018 regarding
Regulation (EC) No 1907/2006 concerning the REACH.

Test Method: Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Summary:

According to the specified scope and analytical techniques, concentrations of
tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.

PASS

Signed for and on behalf of

Kevin Wang

Kevin Wang



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Test Sample:

Test Part Description:

Specimen No.

EBO Sample ID

Description

1

EBO XXXXX-CXXX.001

/

TEST RESULTS:

Substances in the candidate List of SVHC

Test Method: In-house method with reference to EPA: 8270D, 3052, 6010C, 3550C, 8321B, EN14362, DIN EN ISO 17353, IEC 62321, AfPS GS 2014:01 PAK and EN 14582.

Batch	No.	Substance Name	CAS No.	EC No.	Concentration (%)	RL (%)
I	1	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.005
I	2	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.005
I	3	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.005
I	4	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.005
I	5	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.005
I	6	Sodium dichromate*	7789-12-0, 10588-01-9	234-190-3	N.D.	0.005
II	7	Lead chromate*	7758-97-6	231-846-0	N.D.	0.005
II	8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	N.D.	0.005
II	9	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	N.D.	0.005
III	10	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.005
III	11	Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.005
III	12	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	215-540-4	N.D.	0.005
III	13	Potassium chromate*	7789-00-6	232-140-5	N.D.	0.005

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III	14	Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.005
III	15	Sodium chromate*	7775-11-3	231-889-5	N.D.	0.005
III	16	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	N.D.	0.005
IV	17	Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 - 13530-68-2	231-801-5 - 236-881-5	N.D.	0.005
IV	18	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	0.005
IV	19	Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.005
IV	20	Cobalt carbonate*	513-79-1	208-169-4	N.D.	0.005
IV	21	Cobalt dinitrate*	10141-05-6	233-402-1	N.D.	0.005
IV	22	Cobalt sulphate*	10124-43-3	233-334-2	N.D.	0.005
V	23	Strontium chromate*	7789-06-2	232-142-6	N.D.	0.005
VI	24	Aluminosilicate Refractory Ceramic Fibres (Al-RCF)**	-	-	N.D.	0.005
VI	25	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.005
VI	26	Lead styphnate*	15245-44-0	239-290-0	N.D.	0.005
VI	27	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.005
VI	28	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.005
VI	29	Dichromium tris(chromate) *	24613-89-6	246-356-2	N.D.	0.005
VI	30	Lead diazide, Lead azide*	13424-46-9	236-542-1	N.D.	0.005
VI	31	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.005
VI	32	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.005
VI	33	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.005

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Batch	No.	Substance Name	CAS No.	EC No.	Concentration (%)	RL (%)
VI	34	Zirconia Aluminosilicate Refractory Ceramic Fibres (ZrAl-RCF) **	-	-	N.D.	0.005
VII	35	Diboron trioxide *	1303-86-2	215-125-8	N.D.	0.005
VII	36	Lead(II) bis(methanesulfonate) *	17570-76-2	401-750-5	N.D.	0.005
VIII	37	Lead bis(tetrafluoroborate) *	13814-96-5	237-486-0	N.D.	0.005
VIII	38	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.005
VIII	39	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	N.D.	0.005
VIII	40	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.005
VIII	41	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.005
VIII	42	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.005
VIII	43	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.005
VIII	44	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.005
VIII	45	Lead monoxide*	1317-36-8	215-267-0	N.D.	0.005
VIII	46	Lead oxide sulphate*	12036-76-9	234-853-7	N.D.	0.005
VIII	47	Lead tetroxide (orange lead) *	1314-41-6	215-235-6	N.D.	0.005
VIII	48	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.005
VIII	49	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.005
VIII	50	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.005
VIII	51	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.005
VIII	52	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	N.D.	0.005
VIII	53	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.005
VIII	54	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.005

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Batch	No.	Substance Name	CAS No.	EC No.	Concentration (%)	RL (%)
VIII	55	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.005
VIII	56	Trilead bis(carbonate)dihydroxide (basic lead carbonate) *	1319-46-6	215-290-6	N.D.	0.005
VIII	57	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.005
IX	58	Cadmium oxide*	1306-19-0	215-146-2	N.D.	0.005
IX	59	Cadmium*	7440-43-9	231-152-8	N.D.	0.005
X	60	Lead di(acetate) *	301-04-2	206-104-4	N.D.	0.005
X	61	Cadmium sulphide*	1306-23-6	215-147-8	N.D.	0.005
XI	62	Cadmium chloride*	10108-64-2	233-296-7	N.D.	0.005
XI	63	Sodium perborate; perboric acid, sodium salt*	-	239-172-9; 234-390-0	N.D.	0.005
XI	64	Sodium peroxometaborate*	7632-04-4	231-556-4	N.D.	0.005
XII	65	Cadmium fluoride*	7790-79-6	232-222-0	N.D.	0.005
XII	66	Cadmium sulphate*	10124-36-4, 31119-53-6	233-331-6	N.D.	0.005
XVIII	67	Cadmium nitrate*	10325-94-7, 10022-68-1	233-710-6	N.D.	0.005
XVIII	68	Cadmium carbonate*	513-78-0	208-168-9	N.D.	0.005
XVIII	69	Cadmium hydroxide*	21041-95-2	244-168-5	N.D.	0.005
XIX	70	Lead*	7439-92-1	231-100-4	N.D.	0.005
XIX	71	Disodium octaborate*	12008-41-2	234-541-0	N.D.	0.005

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- Remark 1** 1) 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), if both the following conditions are met:
- (a) the substance is present in those articles in quantities total ling over 1 tonne per producer or importer per year;
- (b) the substance is present in those articles above a concentration of 0,1 % weight by weight(w/w).
- 2) From 28 October 2008, EU & EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of there ceipt of this request. This information must ensure safe use of the article and, as aminimum, include the name of the substance.
- Remark 2** 1)* Calculated concentration of cobalt dichloride, cobalt(II) sulphate, cobalt(II) dinitrate, cobalt(II) carbonate and cobalt(II) diacetate is based on the identified heavy metal and anion result. Calculated concentration of diarsenic pentaoxide, diarsenic trioxide,chromium trioxide, sodium dichromate, dehydrate, lead hydrogen arsenate, triethyl arsenate, lead chromate, sodium chromate, strontium chromate ,potassium chromate, ammonium dichromate, potassium dichromate, lead chromate molybdate sulfate red, lead sulfochromate yellow and acids generated from chromium trioxide and their oligomers, Lead dipicrate, Lead styphnate, Lead azide Lead diazide, Trilead diarsenate , Calcium arsenate , Arsenic acid , Potassium hydroxyoctaoxodizincatedi-chromate, Dichromium tris(chromate), Pentazinc chromate octahydroxide, Lead(II) bis(methanesulfonate), Diboron trioxide ,Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cynamidate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide , Pentalead tetraoxide sulphate , Pyrochlore, antimony lead yellow ,Silicic acid, barium salt, lead-doped , Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate,Cadmium,Cadmium oxide,Cadmium sulphide and Lead di(acetate), Cadmium chloride, Cadmium fluoride, Cadmium sulphate, Cadmium nitrate, Cadmium carbonate, Cadmium hydroxide are based on the identified heavy metal result,boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide,

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hydrate, Sodium perborate; perboric acid, sodium salt, Sodium peroxometaborate, Disodium octaborate are based on the identified result of boron and sodium result. The identities of above metal substances present in the article have to be further confirmed;

2)** Calculated concentration of Aluminosilicate, Refractory Ceramic Fibres ;Zirconia Aluminosilicate, Refractory Ceramic Fibres is based on the identified heavy metal result and confirmation by microscope;

3) N.D. = Not detected, less than MDL.

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Sample photo:

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*** End of Report ***

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