

TEST REPORT

Applicant : Shenzhen Novus Life Sciences Limited
Address : Room 407, 4/F, Building A1, Guangming Science and Technology Park, China
Merchants Bureau, Fenghuang Street, Guangming District, Shenzhen
Subjects : Novus Life Sciences Limited
Address : Workshop D35, 4/F, Wah Lok Industrial Centre, 31-35 Shan Mei Street, Fotan, N.T.,
Hong Kong

The following merchandise was (were) submitted and identified by the client as:

Name of Sample : Ossfila 3D Printer Filament - Bonlecule
Test Type : Commission
Analysis No. : GXH22010083
Sample Quantity : 100g
Batch No./Brand/Model : F1012-2106
Sample Received : 2022/01/05
Test Period : 2022/01/05-2022/01/11
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).
Note : This report supersedes the previous report GXH22010083(E) issued on 11 January,
2022.The original report is void.

Edited by: 

Approved by: 

Checked by: 

Official Seal: 

TESTED SAMPLES	CONCLUSION	
Ossfila 3D Printer Filament - Bonlecule	As specified by client, SVHC screening is performed according to: Seventy two (72) Substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemical Agency (ECHA) on and before July 8, 2021 regarding regulation (EC) No.1907/2006 concerning the REACH. According to the specified scope and analytical techniques, concentrations of 72 SVHCs are less than 0.1% (w/w) in the sample.	PASS

***** TO BE CONTINUE *****

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Date : 2022/01/14

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Test Result(s):

Sample Description:

Sample No.	Description
001	White material

Test Result(s):

Sample No.	Chemical Substance	Batch	No.	CAS No.	EC No.	RL(%)	Results(%) (w/w)
001	All Tested 72 SVHCs in Chemical List	-	-	-	-	-	ND

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Note:

1. SVHC = Substances of Very High Concern;
2. % = percentage by weight;
3. ND = Not Detected (<Report Limit);
4. RL = Report Limit;
5. *= According to the 5.2.1 item of the fourth version of ECHA "Guidance on requirements for substances in articles", 2017, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary;
6. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily "the substance" which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the fourth version of ECHA "Guidance on requirements for substances in articles", 2017;
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA "Guidance on requirements for substances in articles";
8. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify the European Chemicals Agency(ECHA), In accordance with Article 59(1) of the Regulation if:
 - the substance is present in those articles in quantities totaling over one ton per producer or importer per year;
 - the substance is present in those articles above a concentration of 0.1% weight by weight(w/w);
9. 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 (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.

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72 SVHCs Chemical List & Test Method and Instrument:

Test Method and Instrument:

Refer to AfPS ProdSG:2014, EN 14372:2004, ISO17353:2004(E), EPA 3550C:2007, EPA 8270D:2014, EPA 3050B:1996, EPA 3052:1996, EPA 6010C:2007, EN14582:2016, EPA 3540C:1996, EPA 8321B:2007,

Analysis was conducted by GC-FID, GC-MS, ICP-OES, FAAS, AFS, CV-AAS, IC, UV-Vis, LC-MS and HPLC.

No.	Chemical Substance Name(s)	CAS No.	EC No.	RL (%)
First batch				
1	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.02
2	Triethyl arsenate*	15606-95-8	427-700-2	0.02
3	Diarsenic pentaoxide *	1303-28-2	215-116-9	0.02
4	Diarsenic trioxide*	1327-53-3	215-481-4	0.02
5	Cobalt dichloride*	7646-79-9	231-589-4	0.02
6	Sodium dichromate*	7789-12-0 10588-01-9	234-190-3	0.02
Second batch				
7	Lead chromate *	7758-97-6	231-846-0	0.02
8	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.02
9	Lead sulfochromate yellow (C.I. Pigment Yellow 34) *	1344-37-2	215-693-7	0.02
Third batch				
10	Boric acid *	10043-35-3 11113-50-1	233-139-2 234-343-4	0.02
11	Disodium tetraborate, anhydrous *	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.02
12	Tetraboron disodium heptaoxide, hydrate *	12267-73-1	235-541-3	0.02
13	Sodium chromate *	7775-11-3	231-889-5	0.02
14	Potassium chromate *	7789-00-6	232-140-5	0.02
15	Ammonium dichromate *	7789-09-5	232-143-1	0.02
16	Potassium dichromate *	7778-50-9	231-906-6	0.02

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No.	Chemical Substance Name(s)	CAS No.	EC No.	RL (%)	
Fourth batch					
17	Chromium trioxide *	1333-82-0	215-607-8	0.02	
18	Cobalt(II) diacetate *	71-48-7	200-755-8	0.02	
19	Cobalt(II) carbonate *	513-79-1	208-169-4	0.02	
20	Cobalt(II) dinitrate *	10141-05-6	233-402-1	0.02	
21	Cobalt(II) sulphate *	10124-43-3	233-334-2	0.02	
22	Acids generated from chromium trioxide and their oligomers Group containing:	Chromic acid*	7738-94-5	231-801-5	0.02
		Dichromic acid*	13530-68-2	236-881-5	0.02
		Oligomers of chromic acid and dichromic acid*	-	-	0.02
Fifth batch					
23	Strontium chromate*	7789-06-2	232-142-6	0.02	
Sixth batch					
24	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.02	
25	Potassium hydroxyoctaoxodizincate di-chromate*	11103-86-9	234-329-8	0.02	
26	Pentazinc chromate octahydroxide *	49663-84-5	256-418-0	0.02	
27	Arsenic acid*	7778-39-4	231-901-9	0.02	
28	Calcium arsenate*	7778-44-1	231-904-5	0.02	
29	Trilead diarsenate*	3687-31-8	222-979-5	0.02	
30	Lead azide; Lead diazide*	13424-46-9	236-542-1	0.02	
31	Lead styphnate*	15245-44-0	239-290-0	0.02	
32	Lead dipicrate*	6477-64-1	229-335-2	0.02	
33	Aluminosilicate Refractory Ceramic Fibres (RCF)*	-	-	0.02	
34	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)*	-	-	0.02	

***** TO BE CONTINUE *****

No.	Chemical Substance Name(s)	CAS No.	EC No.	RL (%)
Seventh batch				
35	Diboron trioxide*	1303-86-2	215-125-8	0.02
36	Lead(II)bis(methanesulfonate)*	17570-76-2	401-750-5	0.02
Eighth batch				
37	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.02
38	Trilead bis(carbonate) dihydroxide*	1319-46-6	215-290-6	0.02
39	Lead oxide sulfate*	12036-76-9	234-853-7	0.02
40	[Phthalato(2-)]dioxotrilead *	69011-06-9	273-688-5	0.02
41	Dioxobis(stearato)trilead *	12578-12-0	235-702-8	0.02
42	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.02
43	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.02
44	Lead cyanamate*	20837-86-9	244-073-9	0.02
45	Lead dinitrate*	10099-74-8	233-245-9	0.02
46	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.02
47	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.02
48	Lead titanium trioxide*	12060-00-3	235-038-9	0.02
49	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.02
50	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.02
51	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.02
52	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.02
53	Silicic acid, lead salt*	11120-22-2	234-363-3	0.02
54	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.02
55	Tetraethyllead*	78-00-2	201-075-4	0.02
56	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.02
57	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.02

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No.	Chemical Substance Name(s)	CAS No.	EC No.	RL (%)
Ninth batch				
58	Cadmium*	7440-43-9	231-152-8	0.02
59	Cadmium oxide*	1306-19-0	215-146-2	0.02
Tenth batch				
60	Cadmium sulphide*	1306-23-6	215-147-8	0.02
61	Lead di(acetate)*	301-04-2	206-104-4	0.02
Eleventh batch				
62	Cadmium chloride*	10108-64-2	233-296-7	0.02
63	Sodium perborate; perboric acid, sodium salt*	-	239-172-9 234-390-0	0.02
64	Sodium peroxometaborate*	7632-04-4	231-556-4	0.02
Twelfth batch				
65	Cadmium fluoride*	7790-79-6	232-222-0	0.02
66	Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	0.02
Eighteenth batch				
67	Cadmium nitrate*	10325-94-7	233-710-6	0.02
68	Cadmium carbonate*	513-78-0	208-168-9	0.02
69	Cadmium hydroxide*	21041-95-2	244-168-5	0.02
Nineteenth batch				
70	Disodium octaborate*	12008-41-2	234-541-0	0.02
71	Lead*	7439-92-1	231-100-4	0.02
Twenty-fifth batch				
72	Orthoboric acid, sodium salt*	237-560-2	13840-56-7	0.02

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SAMPLE PHOTO



***** **END OF REPORT** *****

中国科学院测试技术研究所

Statement

1. This report is issued by The CAS Testing Technical Services (GuangZhou) Co.,Ltd. (hereinafter referred to as "Our Company").
2. This report is invalid if not affixed with authorized stamp of test and paging seal.
3. This report is invalid without signature of verifier and approver.
4. This report is invalid if being supplemented, deleted or altered.
5. Without written permission of our Company, this report can not be reproduced in part (except in whole).
6. The result(s) shown in this report refer only to the sample(s) tested.
7. Objections to this report must be submitted to our Company within 15 days. Otherwise, it will automatically deem to have accepted this report.
8. The Client shall be responsible for the accuracy, authenticity and completeness of the samples and information submitted for inspection, and the disputes arising therefrom shall be borne by the Client.
9. As any reports is issued as a result of this application for testing services, our Company will strictly keep confidentiality to the Clients. Except where disclosure is required on the basis of laws, regulations, judgments, and rulings (including in accordance with summons, court, or government proceedings).
10. The result(s) or conclusion(s) shown in this report about the description of the characteristics, composition, properties or quality are based on the specific time, methods and applicable criteria. Using different methods and criteria or under different environmental conditions for testing may come to different conclusions.
11. The inspected project has not obtained the qualification recognition.The data result(s) just for scientific research,teaching,internal quality control etc.
12. Since our Company's causes lead to modify the contents of this report, our Company shall reissue this report and bear the modification cost. The Client shall return the original report. Since the Client's causes lead to modify the contents of this report, the Client need to submit an application form for the change of report to our Company. The Client shall bear the modification cost and return the original report if our Company approves to reissue this report.
13. The English version of this statement is translated from the Chinese one. If there is any disagreement between them, the Chinese version will be the final explanation.