



TEST REPORT

Applicant: Siridi (Wuhan) 3D Printer Supplies Co., Ltd.
Address: No.777, Optical Valley 3rd Road, East Lake High-tech Development Zone, Wuhan City

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

Product name: 三维打印耗材
Model: PLA
Manufacturer: Siridi (Wuhan) 3D Printer Supplies Co., Ltd.
Address: No.777, Optical Valley 3rd Road, East Lake High-tech Development Zone, Wuhan City

Sample Received : Apr. 01, 2015
Testing Period: Apr. 01, 2015~Apr. 08, 2015

Test Requirement:

As specified by client, to screen the 161 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Conclusion:

According to the analytical results, concentrations of 161 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Test Method: Please refer to the following page(s);

Test Result(s): Please refer to the following page(s);

Tested by Sally

Reviewed by: 

Approved by: Maria Lisa

Date: 2015-04-09



Shenzhen NTEK Testing Technology Co., Ltd.

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Test Method:

Screening test, analyzed based on Liquid Chromatography Mass Spectrometry (LC-MS), Gas Chromatography and Mass Spectrometry (GC-MS), headspace GC-MS, Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), UV-Vis spectrophotometer and X-Ray Fluorescence Spectrometer (XRF). [Reporting limit: 0.01%].

Test Result(s):

No.	Substance Name(s)	CAS No.	EC No.	Result(s)
1	Anthracene	120-12-7	204-371-1	N.D.
2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	N.D.
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	N.D.
4	Cobalt dichloride*	7646-79-9	231-589-4	N.D.
5	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.
6	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.
7	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.
8	Musk xylene	81-15-2	201-329-4	N.D.
9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0	N.D.
10	Hexabromocyclododecane (HBCDD)	25637-99-4/ 3194-55-6	247-148-4/ 221-695-9	N.D.
11	Short Chain Chlorinated Paraffins(SCCPs)	85535-84-8	287-476-5	N.D.
12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	N.D.
13	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.
14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	N.D.
15	Triethyl arsenate*	15606-95-8	427-700-2	N.D.
16	^① Anthracene oil	90640-80-5	292-602-7	N.D.
17	^① Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	N.D.
18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	N.D.
19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	N.D.
20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	N.D.
21	^① Coal tar pitch, high temperature	65996-93-2	266-028-2	N.D.
22	Acrylamide	79-06-1	201-173-7	N.D.
23	2,4-Dinitrotoluene	121-14-2	204-450-0	N.D.
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N.D.
25	^② Lead chromate	7758-97-6	231-846-0	N.D.

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No.	Substance Name(s)	CAS No.	EC No.	Result(s)
26	^① Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	N.D.
27	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	N.D.
28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	N.D.
29	Trichloroethylene	79-01-6	201-167-4	N.D.
30	^③ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.
31	^④ Disodium tetraborate, anhydrous***	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.
32	^⑤ Tetraboron disodium heptaoxide, hydrate***	12267-73-1	235-541-3	N.D.
33	Sodium chromate*	7775-11-3	231-889-5	N.D.
34	Potassium chromate*	7789-00-6	232-140-5	N.D.
35	Ammonium dichromate*	7789-09-5	232-143-1	N.D.
36	Potassium dichromate*	7778-50-9	231-906-6	N.D.
37	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.
39	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.
40	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.
41	2-Methoxyethanol	109-86-4	203-713-7	N.D.
42	2-Ethoxyethanol	110-80-5	203-804-1	N.D.
43	Chromium trioxide*	1333-82-0	215-607-8	N.D.
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	N.D.
45	2-ethoxyethyl acetate	111-15-9	203-839-2	N.D.
46	Strontium chromate*	7789-06-2	232-142-6	N.D.
47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	N.D.
48	Hydrazine	7803-57-8 302-01-2	206-114-9	N.D.
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	N.D.
50	1,2,3-trichloropropane	96-18-4	202-486-1	N.D.
51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	N.D.

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No.	Substance Name(s)	CAS No.	EC No.	Result(s)
52	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.
53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.
54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.
55	² Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.
56	² Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.
57	¹ Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	N.D.
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.
59	2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	N.D.
60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.
61	1,2-Dichloroethane	107-06-2	203-458-1	N.D.
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.
63	Arsenic acid*	7778-39-4	231-901-9	N.D.
64	Calcium arsenate*	7778-44-1	231-904-5	N.D.
65	Trilead diarsenate*	3687-31-8	222-979-5	N.D.
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N.D.
68	Phenolphthalein	77-9-8	201-004-7	N.D.
69	Lead diazide*	13424-46-9	236-542-1	N.D.
70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.
71	Lead dipicrate*	6477-64-1	229-335-2	N.D.
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	N.D.
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	N.D.
74	⁶ Diboron trioxide	1303-86-2	215-125-8	N.D.
75	Formamide	75-12-7	200-842-0	N.D.
76	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	N.D.

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No.	Substance Name(s)	CAS No.	EC No.	Result(s)
78	β -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	423-400-0	N.D.
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	N.D.
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	N.D.
81	[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	N.D.
82	[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	N.D.
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	N.D.
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	N.D.
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	N.D.
86	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]	-	-	N.D.
87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	N.D.
88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	N.D.
89	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	N.D.
90	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	N.D.

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No.	Substance Name(s)	CAS No.	EC No.	Result(s)
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	N.D.
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	N.D.
93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	N.D.
94	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	N.D.
95	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N.D.
96	N-pentyl-isopentylphthalate	776297-69-9	-	N.D.
97	Methoxyacetic acid	625-45-6	210-894-6	N.D.
98	Tricosafuorododecanoic acid	307-55-1	206-203-2	N.D.
99	1,2-Diethoxyethane	629-14-1	211-076-1	N.D.
100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	N.D.
101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	N.D.
102	N-methylacetamide	79-16-3	201-182-6	N.D.
103	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.
104	Biphenyl-4-ylamine	92-67-1	202-177-1	N.D.
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	N.D.
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.
107	Lead dinitrate*	10099-74-8	233-245-9	N.D.
108	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.
109	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.
110	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.
111	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N.D.
112	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.
113	Dimethyl sulphate	77-78-1	201-058-1	N.D.
114	Furan	110-00-9	203-727-3	N.D.
115	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.
116	Tetraethyllead*	78-00-2	201-075-4	N.D.
117	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.
118	Diethyl sulphate	64-67-5	200-589-6	N.D.

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119	Lead cyanamidate*	20837-86-9	244-073-9	N.D.
120	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.
121	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.
122	o-Toluidine	95-53-4	202-429-0	N.D.
123	o-aminoazotoluene	97-56-3	202-591-2	N.D.
124	4-aminoazobenzene	60-09-3	200-453-6	N.D.
125	6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine)	120-71-8	204-419-1	N.D.
126	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	N.D.
127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.
128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	N.D.
129	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	N.D.
130	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.
131	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.
132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.
133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.
134	4,4'-oxydianiline and its salts	101-80-4	202-977-0	N.D.
135	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.
136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.
137	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.
138	N,N-dimethylformamide	68-12-2	200-679-5	N.D.
139	Cadmium	7440-43-9	231-152-8	N.D.
140	Cadmium oxide*	1306-19-0	215-146-2	N.D.
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	N.D.
142	4-Nonylphenol, branched and linear, ethoxylated[<i>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</i>]	-	-	N.D.

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143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	N.D.
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	N.D.
145	[Ⓞ] Trixylyl phosphate	25155-23-1	246-677-8	N.D.
146	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	N.D.
147	Dihexyl phthalate	84-75-3	201-559-5	N.D.
148	Cadmium sulphide*	1306-23-6	215-147-8	N.D.
149	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	N.D.
150	Lead di(acetate)*	301-04-2	206-104-4	N.D.
151	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	N.D.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	N.D.
153	Cadmium chloride	10108-64-2	233-296-7	N.D.
154	Sodium perborate; perboric acid, sodium salt		239-172-9; 234-390-0	N.D.
155	Sodium peroxometaborate	7632-4-4	231-556-4	N.D.
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	N.D.
157	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	3846-71-7	223-346-6	N.D.
158	Cadmium fluoride	7790-79-6	232-222-0	N.D.
159	Cadmium sulphate	10124-36-4; 31119-53-6	233-331-6	N.D.
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	239-622-4	N.D.

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No.	Substance Name(s)	CAS No.	EC No.	Result(s)
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia- a-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoet hyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate (reaction mass of DOTE and MOTE)	/	/	N.D.

Sample Description:

三维打印耗材

Notes:

1. "%" = percent by weight; 0.1% = 1000 mg/kg = 1000 ppm
2. "<" = less than, N.D. = Not Detected (<report limit)
3. *: Concentration value of the substance by the conversion from the test results of certain elements
Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tin
4. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the
Regulation on Classification, Labeling and Packaging of chemical substances and mixtures,
the so called CLP Regulation (Regulation (EC) No 1272/2008).
5. ***: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium
heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consideration of the hydrate.
6. ①: 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.
7. ②: In view of the substance contains 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.
8. ③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium
heptaoxide, hydrate; Diboron trioxide are calculated by the conversion from the test results of
certain elements and confirmed by appropriate solvent extraction, meanwhile the book of
materials is suggested to be checked for further confirmation.
9. 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).

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Sample photo(s):

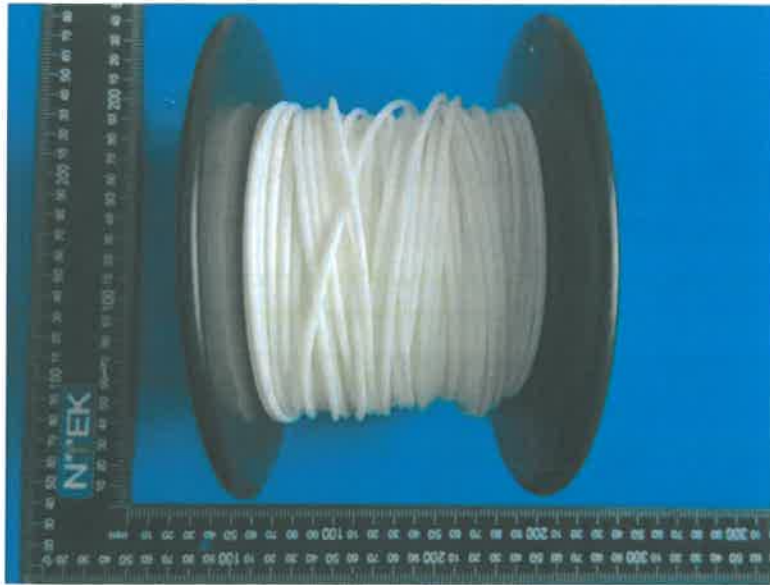


Fig.1

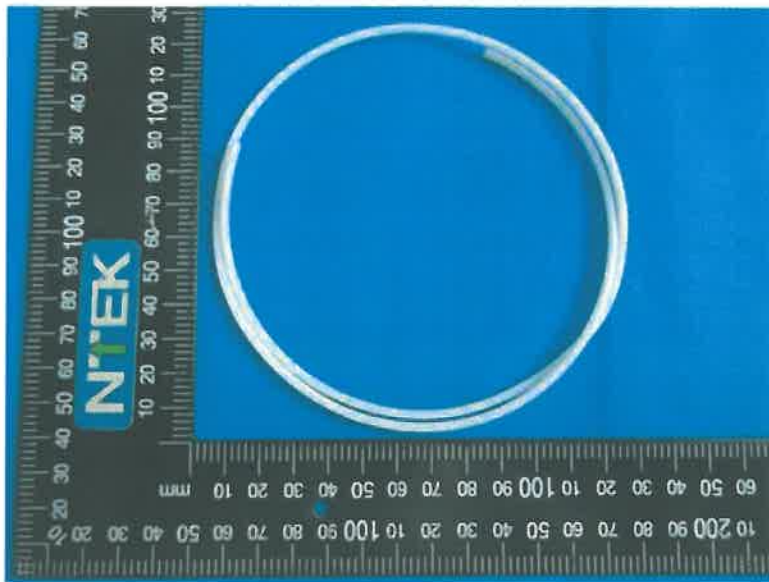


Fig.2

****End of Report****

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