

# Test Report

No. SHAHG2002001401

Date: 04 Mar 2020

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ISUN3D TECH (SHENZHEN) CO., LTD

WUHAN UNIVERSITY BUILDING A403-II, NO. 6 YUEXING 2 ROAD, NANSHAN DISTRICT, SHENZHEN

The following sample(s) was/were submitted and identified on behalf of the clients as : ERESIN-PLA

SGS Job No. : SHHL2002503382SD - SH  
 Item No. : ALIPHATIC POLYURETHANE ACRYLATE : 30-50%; ACRYLATE MONOMER: 30-50%; PHOTOINITIATOR: 1-5%; UV COLOR PASTE: 0-5%  
 Manufacturer : XIAOGAN ESUN NEW MATERIAL CO., LTD  
 Supplier : ISUN3D TECH (SHENZHEN) CO., LTD  
 Country of Origin : CHINA  
 Style No. : LC-1001W, LC-1001CL, LC-1001O, LC-1001F, LC-1001N, LC-1001R, LC-1001Y, LC-1001GH, LC-1001G, LC-1001TL, LC-1001T  
 Date of Sample Received : 27 Feb 2020  
 Testing Period : 27 Feb 2020 - 04 Mar 2020  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
EN71-3: 2019 as harmonized standard under Directive 2009/48/EC and its amendment (EU) 2019/1728 – Migration of certain elements (Category II:for liquid or sticky toy material) (As specified by client)	PASS

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

*Lucia Liu*

Lucia Liu  
 Approved Signatory

scan to see the report



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA20-020014.001	Grey liquid

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

**EN71-3: 2019 as harmonized standard under Directive 2009/48/EC and its amendment (EU) 2019/1728 – Migration of certain elements (Category II:for liquid or sticky toy material) (As specified by client)**

Test Method : With reference to EN 71-3:2019, analysis was performed by ICP-MS, GC-MS, IC-UV or LC-ICP-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Soluble Chromium (VI) (Cr VI)	0.005	mg/kg	0.0025	ND
Soluble Lead (Pb)	0.5	mg/kg	0.25	ND
Soluble Antimony (Sb)	11.3	mg/kg	1	ND
Soluble Arsenic (As)	0.9	mg/kg	0.45	ND
Soluble Barium (Ba)	375	mg/kg	50	ND
Soluble Cadmium (Cd)	0.3	mg/kg	0.1	ND
Soluble Chromium (III) (Cr III)	9.4	mg/kg	1	ND
Soluble Mercury (Hg)	1.9	mg/kg	0.5	ND
Soluble Selenium (Se)	9.4	mg/kg	4	ND
Soluble Boron (B)	300	mg/kg	50	ND
Soluble Cobalt (Co)	2.6	mg/kg	0.5	ND
Soluble Manganese (Mn)	300	mg/kg	50	ND
Soluble Strontium (Sr)	1125	mg/kg	50	ND
Soluble Zinc (Zn)	938	mg/kg	50	ND
Soluble Copper (Cu)	156	mg/kg	50	ND
Soluble Aluminum (Al)	1406	mg/kg	50	ND
Soluble Nickel (Ni)	18.8	mg/kg	9	ND
Soluble Tin (Sn)	3750	mg/kg	50	ND
Methyl tin (MeT)	-	mg/kg	0.03	ND
Di-n-propyl tin (DProT)	-	mg/kg	0.03	ND
Dibutyl tin (DBT)	-	mg/kg	0.03	ND
Tributyl tin (TBT)	-	mg/kg	0.03	ND



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
n-Octyl tin (MOT)	-	mg/kg	0.03	ND
Tetrabutyl tin (TeBT)	-	mg/kg	0.03	ND
Diphenyl tin (DPHT)	-	mg/kg	0.03	ND
Di-n-octyl tin (DOT)	-	mg/kg	0.03	ND
Triphenyl tin (TPHT)	-	mg/kg	0.03	ND
Butyl tin(BuT)	-	mg/kg	0.03	ND
Di-methyl tin(DMT)	-	mg/kg	0.03	ND
Sum of Soluble Organic Tin	0.2	mg/kg	-	ND

Sample photo:



SGS authenticate the photo on original report only

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



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