

Test Report

No.: TSNRS24003512603

Date: Jan 10, 2025

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Client Name: SHANDONG PENGJIE TOY PROCESSING CO., LTD

Client Address: TIANJIA QUANZI, QIAOGUAN TOWN, CHANGLE COUNTY, WEIFANG CITY,
SHANDONG PROVINCE

Sample Name: Nano imitation porcelain sand grains

Client Ref. Information: color:white green blue yellow red

The above sample(s) and information were provided by the client.

SGS Job No.: AJFS2412015811RS

Sample Receiving Date: Dec 30, 2024

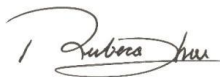
Testing Period: Dec 30, 2024 ~ Jan 10, 2025

Test Requested: Select test(s) as requested by the client.

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

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

	Test Requirement	Conclusion
1	EN 71-3:2019+A1:2021- Migration of certain elements (Category III:for scrapped-off toy material)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.Reabeca Zhou
Approved Signatory

Scan to see the report



TSNRS24003512603

Verification:
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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	TSN24-0035126-0001.C001	yellow solid
SN2	A2	TSN24-0035126-0001.C002	pink solid
SN3	A3	TSN24-0035126-0001.C003	blue solid
SN4	A4	TSN24-0035126-0001.C004	white solid
SN5	A5	TSN24-0035126-0001.C005	green solid

Remarks:

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

EN 71-3:2019+A1:2021- Migration of certain elements (Category III:for scrapped-off toy material)

Test Method: With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV, LC-ICP-MS or IC-ICP-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Soluble Aluminum(Al)	28130	mg/kg	50	1177	485	453
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Lead(Pb)	23	mg/kg	5	ND	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND	106	110
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A4	A5
Soluble Aluminum(Al)	28130	mg/kg	50	503	288
Soluble Antimony(Sb)	560	mg/kg	10	ND	ND
Soluble Arsenic(As)	47	mg/kg	10	ND	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND	ND
Soluble Boron(B)	15000	mg/kg	50	ND	ND



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Test Item(s)	Limit	Unit(s)	MDL	A4	A5
Soluble Cadmium(Cd)	17	mg/kg	5	ND	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND	ND
Soluble Lead(Pb)	23	mg/kg	5	ND	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND	ND
Soluble Selenium(Se)	460	mg/kg	10	ND	ND
Soluble Strontium(Sr)	56000	mg/kg	50	105	79
Soluble Tin(Sn)	180000	mg/kg	3	ND	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND
Conclusion				Pass	Pass

Notes:

(1) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:

Soluble Chromium (III) = Soluble Total Chromium - Soluble Chromium (VI)

(2) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Sample Photo:



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*** End of Report ***



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