

## Test Report

No.: SHAPH23004919301

Date: Apr 28, 2023

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Client Name: ZHEJIANG MSD GROUP SHARE CO., LTD.

Client Address: No.11 HongQI Rd. China Warp Knitting Scientific&Technical Park of Haining, ZheJiang, China

Sample Name: MSD PVC STRETCH  
CEILING FILM

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

SGS Job No.: SHIN2304002907PL01

Sample Receiving Date: Apr 23, 2023

Testing Period: Apr 23, 2023 ~ Apr 28, 2023

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).

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

*Lancy Liu*

Lancy Liu  
Approved Signatory

scan to see the report



SHAPH23004919301



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### Test Result(s):

#### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	SHA23-0049193-0001.C001	White sheet material

#### Remarks:

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

### **COMMISSION IMPLEMENTING DECISION (EU) 2021/1992 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 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 or LC-ICP-MS.  
Soluble Organic Tin was analyzed by GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	001
Soluble Lead(Pb)	23	mg/kg	5	ND
Soluble Antimony(Sb)	560	mg/kg	10	ND
Soluble Arsenic(As)	47	mg/kg	10	ND
Soluble Barium(Ba)	18750	mg/kg	50	ND
Soluble Cadmium(Cd)	17	mg/kg	5	ND
Soluble Chromium(III)(CrIII)	460	mg/kg	5	ND
Soluble Chromium(VI)(Cr VI)	0.053	mg/kg	0.025	ND
Soluble Mercury(Hg)	94	mg/kg	10	ND
Soluble Selenium(Se)	460	mg/kg	10	ND
Soluble Boron(B)	15000	mg/kg	50	ND
Soluble Cobalt(Co)	130	mg/kg	10	ND
Soluble Manganese(Mn)	15000	mg/kg	50	ND
Soluble Strontium(Sr)	56000	mg/kg	50	ND
Soluble Zinc(Zn)	46000	mg/kg	50	ND
Soluble Copper(Cu)	7700	mg/kg	50	ND
Soluble Aluminum(Al)	28130	mg/kg	50	ND
Soluble Nickel(Ni)	930	mg/kg	10	ND
Soluble Tin(Sn)	180000	mg/kg	3	ND
Methyl tin(MeT)	-	mg/kg	0.5	ND
Di-n-Propyltin(DProT)	-	mg/kg	0.5	ND
Dibutyl tin(DBT)	-	mg/kg	0.5	ND
Tributyl tin(TBT)	-	mg/kg	0.5	ND
n-Octyl tin(MOT)	-	mg/kg	0.5	ND
Tetrabutyl tin(TeBT)	-	mg/kg	0.5	ND
Diphenyl tin(DPhT)	-	mg/kg	0.5	ND
Di-n-octyl tin(DOT)	-	mg/kg	0.5	ND
Triphenyl tin(TPhT)	-	mg/kg	0.5	ND
Butyl tin(BuT)	-	mg/kg	0.5	ND
Di-methyl tin(DMT)	-	mg/kg	0.5	ND



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Test Item(s)	Limit	Unit(s)	MDL	001
Sum of Soluble Organic Tin	12	mg/kg	-	ND

### Notes:

(1) According to the Commission Implementing Decision (EU) 2021/1992 of November 15, 2021, published in the OJEU. The EN 71-3:2019+A1:2021 is adopted as the harmonized standard for toys drafted in support of Directive 2009/48/EC.

(2) 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)

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



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Sample Photo:



SGS authenticate the photo on original report only

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



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