

FLOMO PLASTICS INDUSTRIAL CO., LTD.

NO. 42, CHUNG SHAN ROAD SEC. 2, HU NEI DISTRICT, KAOHSIUNG, 82942 TAIWAN

The following merchandise was submitted & identified by the applicant as:

Type of Product: ECO ERASER - WHITE / CHARCOAL
Style/Item No: ER-T20 / ER-TC20 / ER-T30 / ER-TC30 / ER-T101 / ER-TC101
Manufacturer/Vendor: FLOMO PLASTICS INDUSTRIAL CO., LTD.
Country of Origin: TAIWAN
Date of Sample received: 2015/07/20
Test Performing Period: 2015/07/21 – 07/27

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested

1. Flammability test.
2. Heavy metal content

Test method

1. Refer to EN 71: Safety of toys Part 2:2011+A1:2014 – Flammability.
2. Refer to EN 71: Safety of toys Part 3:2013+A1:2014- Migration of Certain Element

Test Results

Please see the next page(s)

Signed for and on behalf of
SGS Taiwan Ltd.


Iris Huang
Asst. Manager



Test Results:

1. Flammability test :

With reference to European Standard - Safety of Toys : EN 71 Part 2:2011+A1:2014 – Flammability

Clause	Description	Result
4	Requirements	
4.1	General requirements	<u>PASS</u>
4.2	Toys to be worn on the head	<u>N/A</u>
4.3	Toy disguise costumes and toys intended to be worn by a child in play	<u>N/A</u>
4.4	Toys intended to be entered by a child	<u>N/A</u>
4.5	Soft-filled toys	<u>N/A</u>

2. Heavy metal content

European Standard - Safety of Toys : EN 71 Part 3: 2013+A1:2014 - Migration of Certain Element

Category III: Scrapped-off toy material

Method: With reference to EN 71 Part 3:2013+A1:2014. Analysis was performed by ICP-AES.

Extractable Organic Tin was analyzed by GC-MS. Extractable Chromium III & Chromium VI were analyzed by LC-ICP-MS.

Test Item		Result(mg/kg)	MDL (mg/kg)	Limit (mg/kg)
Soluble Aluminium	(Al)	N.D.	50	70,000
Soluble Antimony	(Sb)	N.D.	10	560
Soluble Arsenic	(As)	N.D.	10	47
Soluble Barium	(Ba)	N.D.	50	18,750
Soluble Boron	(B)	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	10	130
Soluble Copper	(Cu)	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	10	160
Soluble Manganese	(Mn)	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	10	930
Soluble Selenium	(Se)	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	4.9	180,000
Soluble Zinc	(Zn)	N.D.	50	46,000
Soluble Chromium (III)	(Cr (III))	N.D.	1	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	0.18	0.2
Soluble Organic Tin [#]	--	N.D.	--	12

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Remark: #

Test Item		Soluble Organic Tin Result(s)	MDL (mg/kg)
		1	
Methyl tin	(MeT)	N.D.	0.5
Di-n-propyl tin	(DProT)	N.D.	0.5
Butyl tin	(BuT)	N.D.	0.5
Dibutyl tin	(DBT)	N.D.	0.5
Tributyl tin	(TBT)	N.D.	0.5
n-Octyl tin	(MOT)	N.D.	0.5
Tetrabutyl tin	(TeBT)	N.D.	0.5
Di-n-octyl tin	(DOT)	N.D.	0.5
Diphenyl tin	(DPhT)	N.D.	0.5
Triphenyl tin	(TPhT)	N.D.	0.5

Description:

1. Composite of white, back eraser of sample.

(Remark: Composite test has been performed as per the special request of client)

NOTE:

1. mg/kg = ppm
2. N.D. = Not Detected
3. MDL = Method Detection Limit
4. "--" = Not Conducted
5. The chemical analysis was conducted in SGS Taiwan Ltd. Chemical Laboratory-Taipei



** End of Report **