

Test Report

No.: HTY22800021V01

DATE: 2022/08/19

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FLOMO PLASTICS INDUSTRIAL CO., LTD.

NO. 42, SEC. 2, ZHONGSHAN ROAD, HU NEI DISTRICT, KAOHSIUNG, TAIWAN

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

Sample Submitted By : FLOMO PLASTICS INDUSTRIAL CO., LTD.
Sample Description : EW100 ERASER

Sample Receiving Date : 2022/08/04
Testing Period : 2022/08/04 to 2022/08/15

Test Requested :

- (1) As specified by client, the sample(s) was/were tested to determine the content of Polycyclic Aromatic Hydrocarbons (PAHs). Please refer to the result table(s) for details.
- (2) As specified by client, the sample(s) was/were tested with reference to Annex 17 of REACH Regulation (EC) No 1907/2006. Please refer to the result table(s) for details.

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



Singh Hsiao / Asst. Manager
Signed for and behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



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Test Part Description

- No.1 : WHITE ERASER
- No.2 : RED ERASER
- No.3 : BLUE ERASER
- No.4 : YELLOW ERASER
- No.5 : GREEN ERASER
- No.6 : SKY BLUE ERASER
- No.7 : BABY BLUE ERASER
- No.8 : PERIWINKLE COLOR ERASER
- No.9 : BABY PINK ERASER

Test Result(s)

(1)

PASS

Test Item(s)	Method	Unit	RL	Result				
				No.1	No.2	No.3	No.4	No.5
Polycyclic Aromatic Hydrocarbons (PAHs) ^ Category 2								
Benzo[a]pyrene (CAS No.50-32-8)	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[e]pyrene (CAS No.192-97-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[a]anthracene (CAS No.56-55-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[b]fluoranthene (CAS No.205-99-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[j]fluoranthene (CAS No.205-82-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[k]fluoranthene (CAS No.207-08-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Chrysene (CAS No.218-01-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene (CAS No.53-70-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[g,h,i]perylene (CAS No.191-24-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Indeno[1,2,3-c,d]pyrene (CAS No.193-39-5)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Anthracene (CAS No.120-12-7)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Fluoranthene (CAS No.206-44-0)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Phenanthrene (CAS No.85-01-8)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Pyrene (CAS No.129-00-0)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Naphthalene (CAS No.91-20-3)		mg/kg	0.2	0.565	0.487	0.267	0.938	n.d.
Sum of 15 PAHs ⁺	mg/kg	-	0.565	0.487	0.267	0.938	n.d.	

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Test Item(s)	Method	Unit	RL	Result			
				No.6	No.7	No.8	No.9
Polycyclic Aromatic Hydrocarbons (PAHs) ^ Category 2							
Benzo[a]pyrene (CAS No.50-32-8)	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[e]pyrene (CAS No.192-97-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[a]anthracene (CAS No.56-55-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[b]fluoranthene (CAS No.205-99-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[j]fluoranthene (CAS No.205-82-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[k]fluoranthene (CAS No.207-08-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Chrysene (CAS No.218-01-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene (CAS No.53-70-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[g,h,i]perylene (CAS No.191-24-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Indeno[1,2,3-c,d]pyrene (CAS No.193-39-5)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Anthracene (CAS No.120-12-7)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Fluoranthene (CAS No.206-44-0)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Phenanthrene (CAS No.85-01-8)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Pyrene (CAS No.129-00-0)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Naphthalene (CAS No.91-20-3)		mg/kg	0.2	0.568	0.826	0.838	0.740
Sum of 15 PAHs ⁺	mg/kg	-	0.568	0.826	0.838	0.740	

Remark :

1. "+" = Only PAH substances > 0.2 mg/kg are taken into account while calculating the sum of PAHs.
2. "^" = As per client information, the tested sample is children product (<14 years) which is under the directive of German ProdSG.

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AfPS (German commission for Product Safety): GS PAHs requirements

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or - for the use by children up ^{a,b} to 3 years of age.)	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact ^c with skin during the intended or foreseeable use ^d .	use by children	other consumer products	use by children
enzo[a]pyrene (BaP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]anthracene (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[ghi]perylene (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Pyrene (PYR)					
Anthracene (ANT)					
Fluoranthene (FLT)					
Naphthalene (NAP)	< 1	< 2		< 10	
Sum of 15 PAH	< 1	< 5	< 10	< 20	< 50

Unit : mg/kg

Note:

- a. A "child" is legally defined as a person before reaching the age of 14 years.
- b. Use by children includes both active and passive direct contact by children.
- c. Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment Regulation (EC) No 1272/2013.
- d. According to the definition of the German Product Safety Act (ProdSG) (Chapter 1 Article 2 No. 28).

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NO. 42, SEC. 2, ZHONGSHAN ROAD, HU NEI DISTRICT, KAOHSIUNG, TAIWAN

(2)

PASS

Test Item(s)	Method	Unit	RL	Result				
				No.1	No.2	No.3	No.4	No.5
Benzo[a]anthracene (CAS No.56-55-3)	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Chrysene (CAS No.218-01-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[b]fluoranthene (CAS No.205-99-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[j]fluoranthene (CAS No.205-82-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[k]fluoranthene (CAS No.207-08-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[a]pyrene (CAS No.50-32-8)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Benzo[e]pyrene (CAS No.192-97-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene (CAS No.53-70-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.	n.d.

Test Item(s)	Method	Unit	RL	Result			
				No.6	No.7	No.8	No.9
Benzo[a]pyrene (CAS No.50-32-8)	With reference to AfPS GS 2019:01 PAK. Analysis was performed by GC-MS.	mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Chrysene (CAS No.218-01-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[b]fluoranthene (CAS No.205-99-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[j]fluoranthene (CAS No.205-82-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[k]fluoranthene (CAS No.207-08-9)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[a]pyrene (CAS No.50-32-8)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Benzo[e]pyrene (CAS No.192-97-2)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.
Dibenzo[a,h]anthracene (CAS No.53-70-3)		mg/kg	0.2	n.d.	n.d.	n.d.	n.d.

Test Item(s)	Ref. Limit	
	Consumer product	Toy or childcare product
Benzo[a]pyrene (CAS No.50-32-8)	1.0	0.5
Chrysene (CAS No.218-01-9)	1.0	0.5
Benzo[b]fluoranthene (CAS No.205-99-2)	1.0	0.5
Benzo[j]fluoranthene (CAS No.205-82-3)	1.0	0.5
Benzo[k]fluoranthene (CAS No.207-08-9)	1.0	0.5
Benzo[a]pyrene (CAS No.50-32-8)	1.0	0.5
Benzo[e]pyrene (CAS No.192-97-2)	1.0	0.5
Dibenzo[a,h]anthracene (CAS No.53-70-3)	1.0	0.5

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NO. 42, SEC. 2, ZHONGSHAN ROAD, HU NEI DISTRICT, KAOHSIUNG, TAIWAN

PASS

Test Item(s)	Method	Unit	RL	Result			Ref. Limit
				1+2+3	4+5+6	7+8+9	
Lead (Pb) (CAS No.7439-92-1)	With reference to US EPA 3052. Analysis was performed by ICP-OES.	mg/kg	2	n.d.	n.d.	n.d.	500
Cadmium (Cd) (CAS No.7440-43-9)		mg/kg	2	n.d.	n.d.	n.d.	100
For all plasticized material							
Dibutyl phthalate (DBP) (CAS No.84-74-2)	With reference to EN 14372: 2004. Analysis was performed by GC-MS.	mg/kg	30	n.d.	n.d.	n.d.	1000
Butyl benzyl phthalate (BBP) (CAS No.85-68-7)		mg/kg	30	n.d.	n.d.	n.d.	
Di-(2-ethylhexyl) phthalate (DEHP) (CAS No.117-81-7)		mg/kg	30	n.d.	n.d.	n.d.	
Diisobutyl phthalate (DIBP) (CAS No.84-69-5)		mg/kg	30	n.d.	n.d.	n.d.	
For toys or childcare articles if they can be placed in the mouth							
Diisononyl phthalate (DINP) (CAS No.28553-12-0, 68515-48-0)	With reference to EN 14372: 2004. Analysis was performed by GC-MS.	mg/kg	100	n.d.	n.d.	n.d.	1000
Di-n-octyl phthalate (DNOP) (CAS No.117-84-0)		mg/kg	30	n.d.	n.d.	n.d.	
Diisodecyl phthalate (DIDP) (CAS No.26761-40-0, 68515-49-1)		mg/kg	100	n.d.	n.d.	n.d.	

Note:

1. mg/kg = ppm ; 0.1% = 1000 ppm
2. RL = Reporting Limit
3. n.d. = Not Detected = Less than RL
4. "-" = No Regulated
5. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.
6. This test report replaces the original one HTY22800021. The original test report HTY22800021 is invalid. The report modification date was 2022/08/19.
7. The report is invalid if it is partly reproduced or used.
8. The statement of conformity is based on the test results, but does not include the measurement uncertainty.

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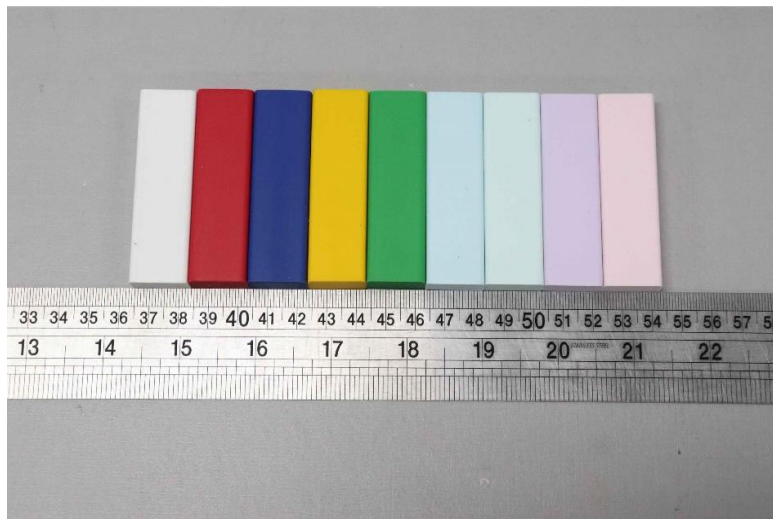
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NO. 42, SEC. 2, ZHONGSHAN ROAD, HU NEI DISTRICT, KAOHSIUNG, TAIWAN

* The tested sample / part is marked by an arrow if it's shown on the photo. *

HTY22800021



**** End of Report ****

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