

Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute
American Society for Testing and Materials
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

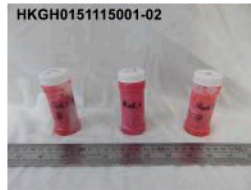
Number: HKGH0151115001

Date: Aug 29, 2013

Sample Description:

Fifteen (15) submitted samples said to be **Grease Face Paint UGP FP :**

- (1) pink1 30011000
- (2) yellow1 30003000
- (3) blue1 30005000
- (4) blue2/lt blue 30013000
- (5) blue3/dk blue 30012000
- (6) green1/dk green 30006000
- (7) orange1 30007000
- (8) purple1 30021000
- (9) brown2/dk brown 30008000
- (10) black 30001000
- (11) white 30004000
- (12) grey1 30010000
- (13) red1/30002000)
- (14) red2/Bloody Red - 1 30024000
- (15) red2/Bloody Red - 2 30024000



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested Samples	Standard	Result
Tested components of submitted samples	EN71-3 : 2013 for migration of certain elements	Pass

For and on behalf of :
Intertek Testing Services HK Ltd.



Angel Y.F. Cheung
Vice President

Test Report

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Tests Conducted

1 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013

Category (II): Liquid or sticky toy material

Element	Result (mg/kg)					Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)	
Aluminium (Al)	< 100	< 100	< 100	< 100	< 100	1406
Antimony (Sb)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11.3
Arsenic (As)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.9
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	375
Boron (B)	< 50	< 50	< 50	< 50	< 50	300
Cadmium (Cd)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.3
Chromium (III) (Cr III)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.4
Chromium (VI) (Cr VI)	< 0.005#	< 0.005	< 0.005	< 0.005	< 0.005	0.005
Cobalt (Co)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	156
Lead (Pb)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.4
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	300
Mercury (Hg)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.9
Nickel (Ni)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	18.8
Selenium (Se)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.4
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	1125
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	3750
Organic tin	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	938

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Element	Result (mg/kg)					Limit (mg/kg)
	(6)	(7)	(9)	(10)	(11)	
Aluminium (Al)	< 100	< 100	< 100	< 100	< 100	1406
Antimony (Sb)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	11.3
Arsenic (As)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.9
Barium (Ba)	< 10	< 10	86	< 10	< 10	375
Boron (B)	< 50	< 50	< 50	< 50	< 50	300
Cadmium (Cd)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.3
Chromium (III) (Cr III)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.4
Chromium (VI) (Cr VI)	< 0.005	< 0.005	< 0.005#	< 0.005	< 0.005	0.005
Cobalt (Co)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.6
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	156
Lead (Pb)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.4
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	300
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Selenium (Se)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	9.4
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	1125
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	3750
Organic tin	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2
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Element	Result (mg/kg)				Limit (mg/kg)
	(12)	(13)	(14)	(15)	
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Remark : mg/kg = milligram per kilogram

- Organic tin test result was expressed as tributyl tin.

- Unless specified, determination of Chromium (III), Chromium (VI) and Organic tin was based on elemental analysis.

= Confirmation of Chromium (VI) test was performed on the tested component.

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Tested Components :

- (1) Grease face paint UGP FP (Pink 1 30011000).
- (2) Grease face paint UGP FP (Yellow 1 30003000).
- (3) Grease face paint UGP FP (Blue 1 30005000).
- (4) Grease face paint UGP FP (Blue 2/Lt Blue 30013000).
- (5) Grease face paint UGP FP (Blue3/ Dk Blue 30012000).
- (6) Grease face paint UGP FP (Green1/ Dk Green 30006000).
- (7) Grease face paint UGP FP (Orange 1 30007000).
- (8) Grease face paint UGP FP (Purple 1 30021000).
- (9) Grease face paint UGP FP (Brown2/ Dk Brown 30008000).
- (10) Grease face paint UGP FP (Black 30001000).
- (11) Grease face paint UGP FP (White 30004000).
- (12) Grease face paint UGP FP (Grey 1 30010000).
- (13) Grease face paint UGP FP (Red1/ 30002000).
- (14) Grease face paint UGP FP (Red2/ Bloody Red 30024000)-1.
- (15) Grease face paint UGP FP (Red2/Bloody Red 30024000)- 2.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III : Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received : Jun 18, 2013 and Aug 02, 2013

Testing period : Jun 18, 2013 to Jun 24, 2013 and Aug 02, 2013 to Aug 06, 2013

End of report

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