

Test Report

No. F690101/LF-CTSAYHA16-09722

Issued Date: 2016. 09. 20

Page 1 of 3

KOREA PETROCHEMICAL IND CO., LTD.

260-158 Cheoyong-ro
Nam-gu, Ulsan
Korea

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

SGS File No. : AYHA16-09722
Sample Description : HJ4012
Style no./Item no. : -
Order No. : -
Manufacturer : -
Country of Origin : -
Country of Destination : -
Received Date : 2016. 09. 08
Test Period : 2016. 09. 08 to 2016. 09. 20
Test Result(s) : For further details, please refer to following page (s)
Result Summary : -

Test Requested	Conclusion
EN71-3:2013 + A1:2014 – Migration of certain elements (By first action method testing only) (Selected specimen(s) was/were tested as specified by the applicant, please refer to test result page(s) for details.)	PASS

SGS Korea Co., Ltd



Jeff Jang / Chemical Lab Mgr

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Page 2 of 3

Test Results :

EN71-3:2013 + A1:2014 – Migration of certain elements

Category III: Scrapped-off toy material

Method : With reference to EN71-3:2013 + A1:2014. Analysis of general elements was performed by ICP-OES.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (EN71-3:2013 +A1:2014) (mg/kg)
	1		
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al)	ND	50	70,000
Soluble Antimony (Sb)	ND	10	560
Soluble Arsenic (As)	ND	10	47
Soluble Barium (Ba)	ND	50	18,750
Soluble Boron (B)	ND	50	15,000
Soluble Cadmium (Cd)	ND	5	17
Soluble Chromium (Cr)	ND	0.15	--
Soluble Chromium (III) [#] (Cr (III))	--	5	460
Soluble Chromium (VI) [#] (Cr (VI))	--	0.18	0.2
Soluble Cobalt (Co)	ND	10	130
Soluble Copper (Cu)	ND	50	7,700
Soluble Lead (Pb)	ND	10	160
Soluble Manganese (Mn)	ND	50	15,000
Soluble Mercury (Hg)	ND	10	94
Soluble Nickel (Ni)	ND	10	930
Soluble Selenium (Se)	ND	10	460
Soluble Strontium (Sr)	ND	50	56,000
Soluble Tin (Sn)	ND	4.9	180,000
Soluble Organic Tin [^] --	--	0.5	12
Soluble Zinc (Zn)	ND	50	46,000
Comment for EN71-3:2013 + A1:2014	PASS	--	--

Sample Description :

1. Translucency pellet

Note. 1. mg/kg = milligram per kilogram

2. ND = Not Detected

3. 1% = 10000 mg/kg = 10000 ppm

4. [#] = Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN71-3: 2013 + A1: 2014.

5. [^] = 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 EN71-3: 2013 + A1: 2014.

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Picture of Sample as Received :



*** End of Report ***

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