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ANALYTICAL REPORT SP16-002700

The analysis of the sample said to be : Toys

Article description : Paint
Packaging : -
Instructions for use/assembly : Not Provided
Article no : -
Manufacturer : -
Country of Origin : -
Labelled Age Grading : -
Requested Age : -
SGS Assessed Age* : -
Date sample received : 06-01-2016
Testing Period : 07-01-2016 till 21-01-2016

(* Based on CR 14379/ASTM F963)

<u>Sample</u>	<u>Description</u>
005	Pura lacquer High Gloss

Test Requested

EN 71-3 Safety of Toys - Migration of Certain Elements 2014 CAT III

Method

EN 71-3:2013+A1(2014)

Result

PASS

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EN 71-3 Safety of Toys - Migration of Certain Elements 2014 CAT III

Method: With reference to EN71-3:2013+A1(2014). Analysis of general elements is performed by ICP-MS. If confirmation of Chromium (III) and Chromium (VI) has been performed, Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by IC-UV/VIS.

		mg/kg	Permissible
		005	Limit (mg/kg)
Weight of the sample	g	>0,10	
Soluble Aluminium	Al	<50	70.000
Soluble Antimony	Sb	<10	560
Soluble Arsenic	As	<10	47
Soluble Barium	Ba	<50	18.750
Soluble Boron	B	<50	15.000
Soluble Cadmium	Cd	<5,0	17
Soluble Chromium	Cr	<0,15	--
Soluble Chromium (III)	Cr(III)	<5,0	460
Soluble Chromium (VI)	Cr(VI)	<0,18	0,2
Soluble Cobalt	Co	<10	130
Soluble Copper	Cu	<50	7.700
Soluble Lead	Pb	<10	160
Soluble Manganese	Mn	<50	15.000
Soluble Mercury	Hg	<10	94
Soluble Nickel	Ni	<10	930
Soluble Selenium	Se	<10	460
Soluble Strontium	Sr	<50	56.000
Soluble Tin	Sn	<4,9	180.000
Soluble Organic Tin	--	<12	12
Soluble Zinc	Zn	<50	46.000
Conclusion		PASS	

- Note:
- NC = Not conducted
 - INCONCLUSIVE = Confirmation test is recommended.
 - 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). Confirmation shall be subcontracted within The SGS group.
 - 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). Confirmation shall be subcontracted within The SGS group.
 - NA = Not applicable; As received, test portion of the subsample is less than 10 mg, therefore such component was not tested for migration of certain elements, as specified in EN71-3:2013 + A1(2014).

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Spijkernisse, 22 January 2016
C&R/AFL Laboratory

E.A.M. van Meurs [EVM]
Laboratory Manager

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