

# TEST REPORT

**APPLICANT** : MATERIS PAINTS

**ADDRESS** : 08520 LES FRANQUESES DEL VALLES (BARCELONA) SPAIN

**SAMPLE DESCRIPTION** : Paint

**SAMPLE RECEIVED DATE** : 06-May-2014

**FURTHER INFORMATION DATE** : 26-May-2014

**TURN AROUND TIME** : 26-May-2014 To 29-May-2014, 4 working days

TEST REQUESTED	RESULT
- EN71 Part 3:2013 – Migration of Certain Elements	Pass

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\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd



Chris Zhang  
Lab Manager

*Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [sh.info@eurofins.com](mailto:sh.info@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd.*

**SAMPLE PHOTO****EFSH14050295-CG-02**

\*\*\*TO BE CONTINUED\*\*\*

**TEST COMPONENT**

Component No.	Component Style	Component Name
1	8301100	PREMIUM SATINADO BLANCO
2	8300100	PREMIUM MATE BLANCO

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### EN71 Part 3:2013 – Migration of Certain Elements

(Category II: liquid or sticky toy material)

Test Method: Extractable Chromium(III) and Chromium(VI) – With reference to EN 71 Part 3:2013, determination of the content of total Chromium analysis was performed by ICP-MS.

Extractable Chromium(III) – With reference to EN 71 Part 3:2013, analysis was performed by HPLC-ICP-MS.

Elements – With reference to EN 71 Part 3:2013, analysis was performed by ICP-MS.

Extractable Organic Tin –With reference to EN 71 Part 3:2013, analysis was performed by GC-MS.

Requirements: European Directive 2009/48/EC

Test Item(s):	Limit	Unit	MDL	Result	
				1	2
Extractable Lead (Pb)	3.4	mg/kg	0.2	ND	ND
Extractable Antimony (Sb)	11.3	mg/kg	1	ND	ND
Extractable Arsenic (As)	0.9	mg/kg	0.1	ND	ND
Extractable Barium (Ba)	375	mg/kg	10	ND	ND
Extractable Cadmium (Cd)	0.3	mg/kg	0.05	ND	ND
Extractable Mercury (Hg)	1.9	mg/kg	0.2	ND	ND
Extractable Selenium (Se)	9.4	mg/kg	1	ND	ND
Extractable Boron (B)	300	mg/kg	10	ND	ND
Extractable Cobalt (Co)	2.6	mg/kg	0.2	ND	ND
Extractable Manganese (Mn)	300	mg/kg	10	ND	ND
Extractable Strontium (Sr)	1125	mg/kg	50	ND	ND
Extractable Zinc (Zn)	938	mg/kg	50	ND	ND
Extractable Copper (Cu)	156	mg/kg	10	ND	ND
Extractable Aluminum (Al)	1406	mg/kg	50	ND	ND
Extractable Nickel (Ni)	18.8	mg/kg	2	ND	ND
Extractable Tin (Sn)	3750	mg/kg	50	ND	ND
Extractable Organic Tin#1	0.2	mg/kg	0.2	ND	ND
Extractable Chromium#2	-	mg/kg	0.005	ND	ND
Extractable Chromium (III) (Cr III)	9.4	mg/kg	1	-	-
Extractable Chromium (VI) (Cr VI)	0.005	mg/kg	0.005	-	-

#### Remarks:

1mg/kg=1ppm=0.0001%

MDL = Method Detection Limit

ND = Not Detected (<MDL)

#### Note:

#1 - The migration of organic tin is expressed as tributyltin.

#2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

\*\*\* END OF THE REPORT \*\*\*