



Test Report

No. TSNHG1600379109

Date: 25 Mar 2016

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SHIJIAZHUANG JIRONG CHEMICAL CO.,LTD.

DONGYANGSHI,HI-TECH ZONE,SHIJIAZHUANG,HEBEI,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : JIRONG CHROME OXIDE GREEN GM-505

SGS Job No. : TJHL1603000856OT - TJ
Date of Sample Received : 15 Mar 2016
Testing Period : 15 Mar 2016 - 25 Mar 2016
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
EN71-3:2013+A1:2014 under European Directive 2009/48/EC - Migration of certain elements (for dry, brittle, powder-like or pliable toy material)	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.

Reabeca Zhou
Approved Signatory



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中国·天津市经济技术开发区第五大街41号SGS大厦 邮编: 300457 t (86-22) 65288000 f (86-22) 25295252 e sgs.china@sgs.com

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	TSN16-003791.005	green powder

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EN71-3:2013+A1:2014 under European Directive 2009/48/EC - Migration of certain elements (for dry, brittle, powder-like or pliable toy material)

Test Method : With reference to EN 71-3:2013+A1:2014, analysis was performed by ICP-MS.
Soluble Chromium (VI) was analyzed by IC-UV or LC-ICP-MS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Soluble Chromium (VI)	0.02	mg/kg	0.018	ND
Soluble Lead (Pb)	13.5	mg/kg	0.5	ND
Soluble Antimony (Sb)	45	mg/kg	1	ND
Soluble Arsenic (As)	3.8	mg/kg	0.5	ND
Soluble Barium (Ba)	1500	mg/kg	50	ND
Soluble Cadmium (Cd)	1.3	mg/kg	0.1	ND
Soluble Chromium (III) (Cr III)	37.5	mg/kg	5	32
Soluble Mercury (Hg)	7.5	mg/kg	0.5	ND
Soluble Selenium (Se)	37.5	mg/kg	5	ND
Soluble Boron (B)	1200	mg/kg	50	978
Soluble Cobalt (Co)	10.5	mg/kg	0.5	ND
Soluble Manganese (Mn)	1200	mg/kg	50	ND
Soluble Strontium (Sr)	4500	mg/kg	50	ND
Soluble Tin (Sn)	15000	mg/kg	0.36	ND
Soluble Zinc (Zn)	3750	mg/kg	50	ND
Soluble Copper (Cu)	622.5	mg/kg	50	ND
Soluble Aluminum (Al)	5625	mg/kg	50	ND
Soluble Nickel (Ni)	75	mg/kg	10	ND
Soluble Organic Tin *	0.9	mg/kg	-	ND

Notes :

- (1) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does



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not exceed the soluble organic tin requirement as specified in EN71-3: 2013 +A1:2014

The test was subcontracted to SGS Shanghai chemical lab.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***