TEST REPORT

Mechanical & Hardgoods Laboratory

Report No： HY/2018/B0177
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Date： 2018/12/04

Quiao He Engineering Co., Ltd.
No.85, Huzhu St., Banqiao Distr., New Taipei City, 220, Taiwan (R.O.C.)

The following merchandise was submitted & identified by the applicant as:

Type of Product:	2 in 1 Oil-wax Classic No.129
Style/Item No:	NO-129
Manufacturer/Vendor:	AURO Pflanzenchemie AG
Country of Origin:	Germany
Date of Sample received:	2018/11/23
Test Performing Period:	2018/11/26 – 12/03

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested

EN 71 Part 3:2013+A1:2014+A2:2017+A3:2018 Migration of Certain Elements

Test methods / Results

- Please see the next page(s)

Signed for and on behalf of
SGS Taiwan Ltd.

Iris Huang
Manager

Test Methods / Results

European Standard - Safety of Toys：EN 71 Part 3:2013+A1:2014+A2:2017+A3:2018 – Migration of certain elements

Category II: Liquid or sticky toy material

Method: With reference to EN 71 Part 3:2013+A1:2014+A2:2017+A3:2018. Analysis of general elements was performed by ICP-MS. Extractable Organic Tin was analyzed by GC-MS. Extractable Chromium III & Chromium VI were analyzed by LC-ICP-MS.

Test Items		Result(mg/kg) 1	RL (mg/kg)	Permissible Limit (mg/kg)
Soluble Aluminum	(Al)	N.D.	50	1,406
Soluble Antimony	(Sb)	N.D.	1	11.3
Soluble Arsenic	(As)	N.D.	0.5	0.9
Soluble Barium	(Ba)	N.D.	50	375
Soluble Boron	(B)	N.D.	50	300
Soluble Cadmium	(Cd)	N.D.	0.1	0.3
Soluble Cobalt	(Co)	N.D.	0.5	2.6
Soluble Copper	(Cu)	N.D.	50	156
Soluble Lead	(Pb)	N.D.	0.5	0.5
Soluble Manganese	(Mn)	N.D.	50	300
Soluble Mercury	(Hg)	N.D.	0.5	1.9
Soluble Nickel	(Ni)	N.D.	10	18.8
Soluble Selenium	(Se)	N.D.	5	9.4
Soluble Strontium	(Sr)	199	50	1,125
Soluble Tin	(Sn)	N.D.	0.08	3,750
Soluble Zinc	(Zn)	N.D.	50	938
Soluble Chromium (III)	(Cr (III))	N.D.	5	9.4
Soluble Chromium (VI)	(Cr (VI))	N.D.	0.005	0.005
Soluble Organic Tin#	-	N.D.	-	0.2

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Remark: #

Test Items		Soluble Organic Tin Result(s) 1	MDL (mg/kg)
Methyl tin	(MeT)	N.D.	0.14
Di-n-propyl tin	(DProT)	N.D.	0.14
Butyl tin	(BuT)	N.D.	0.14
Dibutyl tin	(DBT)	N.D.	0.14
Tributyl tin	(TBT)	N.D.	0.14
n-Octyl tin	(MOT)	N.D.	0.14
Tetrabutyl tin	(TeBT)	N.D.	0.14
Di-n-octyl tin	(DOT)	N.D.	0.14
Diphenyl tin	(DPhT)	N.D.	0.14
Triphenyl tin	(TPhT)	N.D.	0.14

Description:

1. Yellow liquid of sample.

NOTE:
1. mg/kg = ppm
2. N.D. = Not Detected
3. RL= Reporting Limit
4. MDL =Method Detection Limit
5. " - " = Not Regulated
6. The chemical analysis was conducted in SGS Taiwan Ltd. Chemical Laboratory-Taipei.

Sample picture (As received)

** End of Report **