



Test Report

No.T31520210920TC

Date: JUN 16, 2015

Page 1 of 3

PREMIUM MULTI INDUSTRIES SDN BHD
15-1-16 MEDAN KAMPUNG RELAU, BAYAN POINT,
11900 PENANG, MALAYSIA

The following samples were submitted and identified by/on behalf of the client as:

PURGEMAX® EZ

Sample Receiving Date : JUN 08, 2015
Testing Period : JUN 08, 2015 TO JUN 16, 2015

Test Requested		Conclusion
1.	EN 71-3:2013 – Safety of toys – Part 3 – Migration of certain elements (All conclusive testing)	PASS

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

Signed for and on behalf of
SGS Hong Kong Ltd.

To Man Wah, Po
Section Manager

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Results:

1. EN 71-3:2013 – Safety of toys – Part 3 – Migration of Certain Elements

Category II: Liquid or Sticky toy material

Method: With reference to EN71-3:2013. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV/VIS / LC-ICP-MS and organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)	MDL	Permissible Limit
Specimen No.	1	--	--
Mass of trace amount (mg)	--	--	--
Soluble Aluminium (Al) (mg/kg)	ND	50	1,406
Soluble Antimony (Sb) (mg/kg)	ND	1	11.3
Soluble Arsenic (As) (mg/kg)	ND	0.5	0.9
Soluble Barium (Ba) (mg/kg)	ND	50	375
Soluble Boron (B) (mg/kg)	ND	50	300
Soluble Cadmium (Cd) (mg/kg)	ND	0.1	0.3
Soluble Chromium (Cr) (mg/kg)	0.056	0.005	--
Soluble Chromium [#] (III) (Cr (III)) (mg/kg)	ND	1	9.4
Soluble Chromium [#] (VI) (Cr (VI)) (mg/kg)	ND	0.005	0.005
Soluble Cobalt (Co) (mg/kg)	ND	0.5	2.6
Soluble Copper (Cu) (mg/kg)	ND	50	156
Soluble Lead (Pb) (mg/kg)	ND	0.5	3.4
Soluble Manganese (Mn) (mg/kg)	ND	50	300
Soluble Mercury (Hg) (mg/kg)	ND	0.5	1.9
Soluble Nickel (Ni) (mg/kg)	ND	10	18.8
Soluble Selenium (Se) (mg/kg)	ND	5	9.4
Soluble Strontium (Sr) (mg/kg)	ND	50	1,125
Soluble Tin (Sn) (mg/kg)	ND	0.08	3,750
Soluble Organic Tin [^] (mg/kg)	ND	--	0.2
Soluble Zinc (Zn) (mg/kg)	ND	50	938

Specimen Description:

- White liquid solution

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- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - # 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
 - ^ 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.
 - Result(s) of specimen No.1 is(are) calculated based on the status as received.

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

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