



## PT. PRIMA RAYA KARYA PERKASA

**Technical Report:** (7118) 312-0179

November 27, 2018

Date Received: October 30, 2018

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Date Modified: November 08, 2018

MR. Satrija Soegiono S  
PT. PRIMA RAYA KARYA PERKASA  
TANRISE WESTGATE B-61 RT.04 RW.02  
WEDI GEDANGAN - SIDOARJO

Sample Description:	PANEL TEST	PO No.:	/
Manufacturer:	PT. PRIMA RAYA KARYA PERKASA	Style:	/
Buyer:	/	Country of Destination:	/
Country of Origin:	INDONESIA	SKU No.:	/
Color:	T/C BLUE	UPC Code:	/
Protocol No.:	EC NO. 1907/2006 ANNEX XVII AND ITS AMENDMENTS ITEM NO. 63 (7) / CPSD-AN-00790-MTHD, EC NO. 1907/2006 ANNEX XVII ITEM NO. 51 & 52 / CPSD-AN-00095-MTHD / CPSD-AN-00143-MTHD, AND ACID EXTRACTION WITH ICP-MS ANALYSIS / CPSD-AN-00186-MTHD		
Previous Report No.:	/	Lot No.:	/

### **EXECUTIVE SUMMARY:**

This report only covers total lead test, phthalates content test, and heavy metal content test as per vendor request.

The submitted sample rated as PASS with satisfactory performance in all conducted tests.

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**TEST RESULT (S):**

Evaluation	Citation / Method	Criteria	Result	Rating
Total lead	EC No. 1907/2006 Annex XVII and its amendments item no. 63 (7) / CPSD-AN-00790-MTHD	<p>Accessible surface coatings and substrates in articles or parts of article, during normal or reasonably foreseeable condition of use, which may be placed in the mouth by children, shall not contain lead equal to or greater than 0.05% (500 mg/kg) of the weight of the total content. The limit shall not apply where it can be demonstrated that the rate of lead release from such an article or any such accessible part of an article, whether coated or uncoated, does not exceed 0.05 µg/cm<sup>2</sup> per hour (= 0.05 µg/g/h).</p> <p>Note:</p> <ul style="list-style-type: none"> <li>- Report 'DATA' when the result is equal to or greater than 500 mg/kg with a note: "The lead content detected in the sample is greater than or equal to 500 mg/kg. The article or part of article could be placed on the market if the lead release rate is less than 0.05 microgram per square centimeter per hour. However, in the absence of test method to measure the release rate, the conformity of the article or part of article cannot be established."</li> <li>- Actual testing would be conducted on all accessible surface coating, print, metal and plastic only.</li> <li>- Component testing is allowed.</li> <li>- Composite up to 3 colors or like materials is allowed, except metal.</li> <li>- Products in point 8 of the regulation are excluded. (reference to appendix)</li> <li>- Effective date of legislation is 1 June, 2016.</li> </ul>	<p>M Surface: Blue coating of panel &lt;0.001% (&lt;10 mg/kg)</p> <p>Clear / natural coating of panel &lt;0.001% (&lt;10 mg/kg)</p> <p>Substrate: Panel &lt;0.001% (&lt;10 mg/kg)</p>	PASS
Phthalates content	EC No. 1907/2006 Annex XVII Item No. 51 & 52 / CPSD-AN-00095-MTHD / CPSD-AN-00143-MTHD	<p>Toys and childcare articles shall not contain DEHP, DBP and BBP in a concentration greater than 0.1% by weight of the plasticized material.</p> <p>Toys and childcare articles, which can be placed in the mouth by children, shall not contain DNOP, DINP and DIDP in a concentration greater than 0.1% by weight of the plasticized material.</p>	<p>M Blue coating of panel: DEHP: &lt;0.005% DBP: &lt;0.005% BBP: 0.005% DNOP: &lt;0.005% DINP: &lt;0.005% DIDP: &lt;0.005%</p> <p>Clear / natural coating of panel DEHP: &lt;0.005% DBP: &lt;0.005% BBP: 0.005% DNOP: &lt;0.005% DINP: &lt;0.005% DIDP: &lt;0.005%</p>	PASS

Evaluation	Citation / Method	Criteria	Result	Rating
Soluble heavy metal	Acid extraction with ICP-MS analysis / CPSD-AN-00186-MTHD	<p>For general product safety, children products or the component of children products, that are accessible to children during normal and foreseeable use and which are likely to be taken into the mouth and sucked or chewed shall not have soluble heavy metals content exceed the limits specified in the standard.</p> <p>Note:</p> <ul style="list-style-type: none"> <li>- Reference to image appendix for the requirement.</li> <li>- Test method and limits with reference to EN 71-3: 2013 +A2:2017 and EU 2009/48/EC and its amendments.</li> <li>- The limit of lead will be lowered to 2 mg/kg (Cat.1), 0.5 mg/kg (Cat.2) and 23 mg/kg (Cat.3) effective on 28 October 2018.</li> </ul> <p>Client requirement - expand scope to children products</p>	<p>M</p> <p>Blue and clear / natural coating of panel</p> <p>Category III</p>	PASS

<p><b>Heavy metal content requirement.bmp</b></p>	<p>The standard contains requirements for the migration of certain elements from the following categories of toy materials:</p> <ul style="list-style-type: none"> <li>— Category I: Dry, brittle, powder like or pliable materials;</li> <li>— Category II: Liquid or sticky materials;</li> <li>— Category III: Scraped-off materials.</li> </ul>
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Element	Migration limit		
	Category I mg/kg	Category II mg/kg	Category III mg/kg
Aluminium	5 625	1 406	70 000
Antimony	45	11,3	560
Arsenic	3,8	0,9	47
Barium	1 500	375	18 750
Boron	1 200	300	15 000
Cadmium	1,3	0,3	17
Chromium (III)	37,5	9,4	460
Chromium (VI)	0,02	0,005	0,2
Cobalt	10,5	2,6	130
Copper	622,5	156	7 700
Lead	13,5	3,4	160
Manganese	1 200	300	15 000
Mercury	7,5	1,9	94
Nickel	75	18,8	930
Selenium	37,5	9,4	460
Strontium	4 500	1 125	56 000
Tin	15 000	3 750	180 000
Organic tin	0,9	0,2	12
Zinc	3 750	938	46 000

<p><b>Products excluded – Total lead [EC No. 1907/2006 Annex XVII and its amendments item no. 63 (7)]</b></p>	<p>Product shall not apply to:</p> <ul style="list-style-type: none"> <li>a. jewellery articles;</li> <li>b. crystal glass as defined in Annex I (categories 1, 2, 3 and 4) to Directive 69/493/EEC;</li> <li>c. non-synthetic or reconstructed precious and semi-precious stones (CN code 7103 as established by Regulation (EEC) No 2658/87) unless they have been treated with lead or its compounds or mixtures containing these substances;</li> <li>d. enamels, defined as vitrifiable mixtures resulting from the fusion, vitrification or sintering of mineral melted at a temperature of at least 500 °C ;</li> <li>e. keys and locks, including padlocks;</li> <li>f. musical instruments;</li> <li>g. articles and parts of articles comprising brass alloys, if the concentration of lead (expressed as metal) in the brass alloy (Alloy with 2 major constituents are copper and zinc) does not exceed 0,5 % by weight;</li> <li>h. the tips of writing instruments;</li> <li>i. religious articles;</li> <li>j. portable zinc-carbon batteries and button cell batteries;</li> <li>k. articles within the scope of:             <ul style="list-style-type: none"> <li>(i) Directive 94/62/EC,</li> <li>(ii) Regulation (EC) No 1935/2004,</li> <li>(iii) Directive 2009/48/EC of the European Parliament and of the Council,</li> <li>(iv) Directive 2011/65/EU of the European Parliament and of the Council,</li> </ul> </li> <li>l. articles placed on the market for the first time before 1 June 2016.</li> </ul>
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Result Key:

C	Claimed
R	Recorded
M	Meets
NM	Does Not Meet
NA	Not Applicable
NT	Not Tested

Rating Key:

PASS	Pass
FAIL	Fail
NR	Not Requested

**BUREAU VERITAS CONSUMER PRODUCTS SERVICES  
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Hardline Manager

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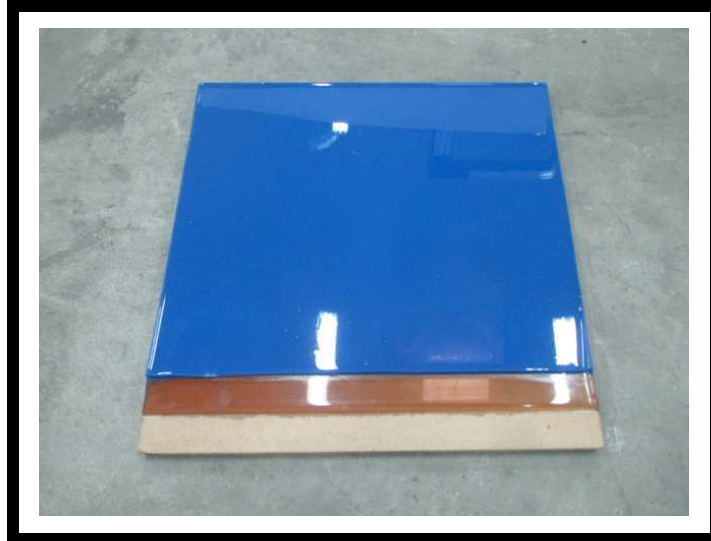
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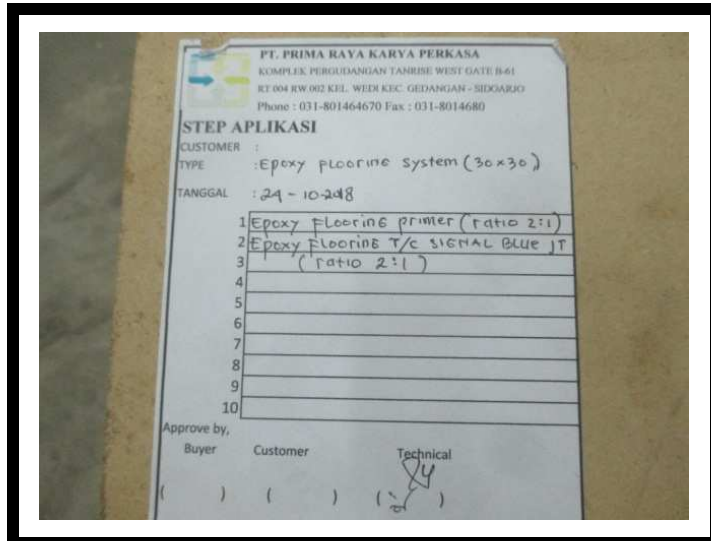
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# REPORT

Lab Numbers: (7118) 312-0179



COVER PICTURE #01



COVER PICTURE #02