

PT. HILON FELT KARANGANYAR

Technical Report: (7119) 186-0104 July 10, 2019
Date Received: July 03, 2019 Page 1 of 05

MR AN SEJIN PT. HILON FELT KARANGANYAR JL.SOLO-PURWODADI KM 7.2 SELOREJO RT 02 RW 09 WONOREJO GONDANGREJO KARANGANYAR 57188

Sample Description: POLYESTER STAPPLE FIBER WHITE

Vendor: / Sample Size: 1 PCS

Manufacturer: PT.HILON FELT KARANGANYAR Style No(s): /
Buyer: / SKN/SKU No.: /

Labeled Age Grade: NOT PRESENT PO No.: /

Appropriate Age Grade: NOT REQUESTED Ref #: /

Client Specified Age Country of Origin: /
Grade: ALL AGES Assortment No.: /

Tested Age Grade: ALL AGES UPC Code: /

Recommended Test

Age Grade : ALL AGES

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The migration of certain elements requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2013+A3:2018.
- Soluble Heavy Metals Content in Substrate ASTM International Standard ASTM F963-17, Section 4.3.5.2(2)(b).

Bureau Veritas Consumer Products Services, Inc. Indonesia Branch Gedung KKM, 2nd Floor, Jl. Cideng

Timur No.38 Jakarta, Indonesia Telephone: 6221-6348877 Fax: 6221-6348838

website: www.bureauveritas.com/cps

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES INDONESIA BRANCH

Josephine Indriati Hardline Manager

Administrative inquiries: Yogi Prayoga, 62-81514898982 yogi.prayoga@id.bureauveritas.com Technical inquiries: Ignatius Jopy 62-816769712

Ignatius.jopy@id.bureauveritas.com

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C/N: MC02394/An/Iv/R/J/Ma/Jo

Test Item(s)	Item / Component Description(s)	Location(s)	Remark	
1001	WHITE POLYESTER STAPPLE FIBER	-	-	



TEST RESULT

Migration of Certain Elements - European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13 with its Latest Amendment

Test Method : European Standard EN 71 Part 3: 2013 with Amendment A3: 2018, Section 8.

See Soluble Element (Parameter) and its	Type I	Dry, brittle, powder-like or pliable toy material
corresponding Maximum	Type II	Liquid or sticky toy material
Allowable Limit (Req.) in Result Table	Type III	Scraped-off toy material

	Unit	Req.	Result	
Test Item(s)	-	-	1001	
Туре	-	III	III	
Parameter	-	-	-	
Mass of Trace Amount	g	-	0.2013	
Aluminium (Al)	mg/kg	70000	ND	
Antimony (Sb)	mg/kg	560	7.58	
Arsenic (As)	mg/kg	47	ND	
Barium (Ba)	mg/kg	18750	ND	
Boron (B)	mg/kg	15000	ND	
Cadmium (Cd)	mg/kg	17	ND	
Chromium III (Cr III)	mg/kg	460	ND	
Chromium VI (Cr VI)	mg/kg	0.2	ND	
Cobalt (Co)	mg/kg	130	ND	
Copper (Cu)	mg/kg	7700	ND	
Lead (Pb)	mg/kg	23	ND	
Manganese (Mn)	mg/kg	15000	ND	
Mercury (Hg)	mg/kg	94	ND	
Nickel (Ni)	mg/kg	930	ND	
Selenium (Se)	mg/kg	460	ND	
Strontium (Sr)	mg/kg	56000	ND	
Tin (Sn)	mg/kg	180000	ND	
Organic tin	mg/kg	12	NOT TESTED	
Zinc (Zn)	mg/kg	46000	ND	
Conclusion	-	-	PASS	

Note / Key:

 $\stackrel{\mbox{ND}}{\mbox{D}}=\mbox{Not detected}$ ">" = Greater than Req. = Requirement NR = Not requested g = gram(s) INCON. = Inconclusive

mg/kg = milligram(s) per kilogram = ppm = part(s) per million [] = Detection Limit by In House Ion Chromatography Analysis

Detection Limit (mg/kg):

For Type I and Type II - Each (As, Cd, Cr III and Hg): 0.15; Cr VI: 0.005 [0.002]; Organic tin: 0.04;

Pb: 0.5; Each (Others): 2

For Type III - Cr III: 0.15; Cr VI: 0.005 [0.002]; Each (Others): 2



TEST RESULT

Soluble Heavy Metals Content in Substrate - ASTM International Standard ASTM F963-17, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.5 (Excluding 8.3.5.5(3)).

Soluble Element(s)		Ва	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)		1 000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

-	Unit	Result				
Test Item(s)	-	I001				
Parameter	-	-				
Mass of Trace Amount	g	0.1046				
Soluble Arsenic (As)	mg/kg	ND				
Soluble Barium (Ba)	mg/kg	ND				
Soluble Cadmium (Cd)	mg/kg	ND				
Soluble Chromium (Cr)	mg/kg	ND				
Soluble Mercury (Hg)	mg/kg	ND				
Soluble Lead (Pb)	mg/kg	ND				
Soluble Antimony (Sb)	mg/kg	ND				
Soluble Selenium (Se)	mg/kg	ND				
Conclusion	-	PASS				

Note / Key:

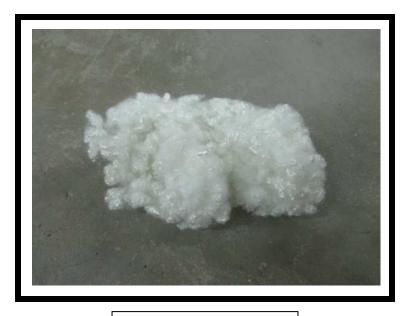
ND = Not detected ">" = Greater than NR = Not requested

% = percent g = gram(s)

mg/kg = milligram(s) per kilogram = ppm = part(s) per million
Detection Limit (mg/kg) - As : 2.5 ; Ba : 100 ; Cd : 7.5; Cr : 6.0 ; Hg : 6.0 ; Pb : 9.0 ; Sb : 6.0 ; Se : 50

REPORT

Lab Numbers: (7119) 186-0104



COVER PICTURE #1