



Technical Report: (9615) 206-0222
Date Received: JULY 25, 2015

AUGUST 04, 2015
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NGUYEN VO HOAN KIM
CN DNTN SAN XUAT THUONG MAI KEO DAN VA NHUA TONG HOP NGHIEP PHAT
24/15 KHU PHO BINH PHUOC B, PHUONG BINH CHUAN, THUAN AN, BINH DUONG

Sample Description:	SON DAC CHUNG TRANG BONG - SDC 03 - TREN KIM LOAI (NHOM)		
Vendor:	CN DNTN SAN XUAT THUONG MAI KEO DAN VA NHUA TONG HOP NGHIEP PHAT	Sample Size:	/
Manufacturer:	SON HOA VIET	VPN:	/
Buyer:	/	SKN/SKU No.:	/
Agent:	/		
Labeled Age Grade:	/	PO No.:	/
Appropriate Age Grade:	/	Ref #:	/
Client Specified Age Grade:	/	Country of Origin:	VIETNAM
Tested Age Grade:	/	Assortment No.:	/
UPC Code:	/	Department No.:	/
Phase of Production:	/	ITEM#:	/
Color:	/	Date of Production:	/
Program:	/	Model/Style#:	/
Previous No:	N/A	Country of Destination:	/

TEST:

- ASTM D3359 - Crosscut Adhesion test
- H-1009 – Effect Of Heat Test
- ASTM F963-11 Heavy Metal Content In Surface Coating
- Fira standard 6250-2005, Impact test
- Resistance to Corrosion

EXECUTIVE SUMMARY:

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

- The heavy metals content in surface coating requirements of ASTM F963-11, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The requirements of ASTM B117-07 modified / CPSD-HL-01010-MTHD, "Resistance to Corrosion".
- The requirement of the H-1009, Effect Of Heat Test.

The sample(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- The criteria requirement of coating adhesion test in test result table.
- The requirement of the Fira standard 6250-2005, Impact test.

Note(s):

- This report includes the test result(s) which was conducted & reviewed by Analytical department.



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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

TERRY NGUYEN
AUTHORIZE REPORT APPROVER



SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	White coating / Metal panel	Coating	-

TEST RESULT

Total Heavy Metals Content - Initial Screening of ASTM International Standard ASTM F963-11, Section 4.3.5.1(2) for Soluble Heavy Metals Content in Surface Coating

Test Method : ASTM International Standard ASTM F963-11, Section 8.3.1 and Annex 7.

Total Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Maximum Allowable Limit (mg/kg)	25	1000	75	60	60	90	60	500

-	Unit	Result
Test Item(s)	-	I001
Parameter	-	-
Total Arsenic (As)	mg/kg	ND
Total Barium (Ba)	mg/kg	ND
Total Cadmium (Cd)	mg/kg	ND
Total Chromium (Cr)	mg/kg	ND
Total Mercury (Hg)	mg/kg	ND
Total Lead (Pb)	mg/kg	ND
Total Antimony (Sb)	mg/kg	ND
Total 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) : Each (As, Cr & Hg) : 10; Each (Ba & Se) : 40; Each (Cd, Pb & Sb) : 20



RESULT(S):

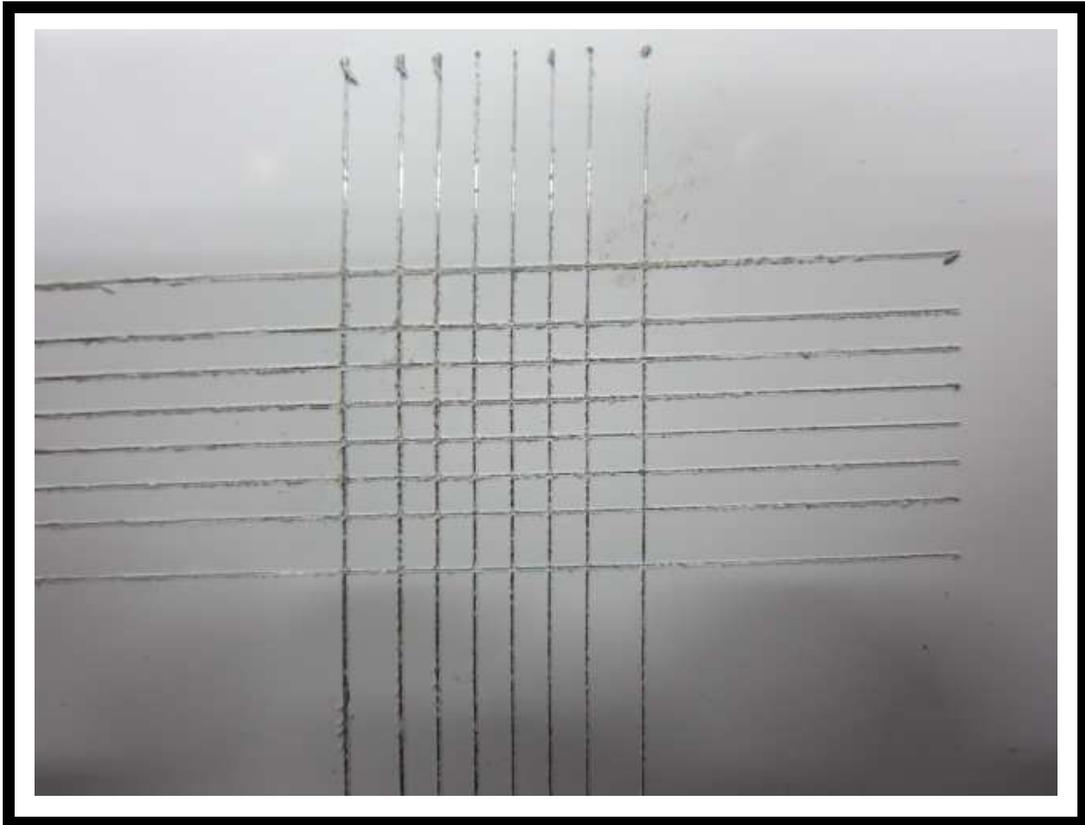
Evaluation	Citation / Method	Criteria	Results	Rating
Resistance to corrosion	ASTM B117-11 modified / CPSD - HL – 01010-MTHD	[Applicable to samples / sample components constructed of metal or samples with metallic coatings that can be exposed to the environment] Shall withstand 24 hours in 5 % salt spray (fog) with no noticeable oxidation / corrosion / visual changes. Modification = 5 % salt spray (fog).	M (No visual changes)	PASS
Adhesion test	ASTM D3359-02 method B	Cutting pattern shall be 2mm x 2mm Record as data	Grade 4.0	DATA
Effects of heat	CPSD-HL-01009-MTDH	24 hours @ 105 °C – No failure or visual change	M (No visual changes)	PASS
Impact test	Fira standard 6250-2005	Steel ball bearing diameter 19.1mm will free fall to the sample from a height of 2m.	Grade 3	DATA

Results Key:

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

CLASSIFICATION OF ADHESION TEST RESULTS		
CLASSIFICATION	PERCENT AREA REMOVED	SURFACE OF CROSS-CUT AREA FROM WHICH FLAKING HAS OCCURRED FOR SIX PARALLEL CUTS AND ADHESION RANGE BY PERCENT
5B	0% None	
4B	Less than 5%	
3B	5 - 15%	
2B	15 - 35%	
1B	35 - 65%	
0B	Greater than 65%	





ADHESION TEST