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Approved Laboratory of The Woolmark Company

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American National Standards Institute  
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Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGH02083406

Applicant: SUPER DRY DESICCANT (SHENZHEN) CO LTD  
BUILDING 3 EXPRESS LUCK INDUSTRIAL PARK  
NO 88 BAOTONGNAN ROAD  
XIKENG HENG GANG TOWN  
LONG GANG DISTRICT  
SHENZHEN 518115 CHINA  
Attn: BING WU

Date: Feb 15, 2017

Submitted sample said to be :  
Item Name : **Desiccant**  
Quantity : 7 styles  
Packaging Provided : No

**Conclusion:**

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) RoHS Directive (2011/65/EU) - Chemical test	Pass
(2) RoHS Directive (2011/65/EU) and amendment Commission Delegated Directive (EU) 2015/863 with effective from 22 July 2019 - Phthalates content	Pass

For and on behalf of :  
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung  
Vice President



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(1) Chemical Test

(A) Test Result Summary:

Testing Item	Result	
	(1)	(2)
Cadmium (Cd) Content (mg/kg)	ND	ND
Lead (Pb) Content (mg/kg)	ND	ND
Mercury (Hg) Content (mg/kg)	ND	ND
Chromium (VI) (Cr <sup>6+</sup> ) Content (mg/kg) (For Non-metal)	ND	ND
Chromium (VI)(Cr <sup>6+</sup> ) Result (By boiling water extraction on metal)	--	--
Polybrominated Biphenyls (PBBs) (mg/kg)		
Monobromobiphenyl (MonoBB)	ND	ND
Dibromobiphenyl (DiBB)	ND	ND
Tribromobiphenyl (TriBB)	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND
Polybrominated Diphenyl Ethers (PBDEs) (mg/kg)		
Monobromodiphenyl Ether (MonoBDE)	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND
Decabromodiphenyl Ether (DecaBDE)	ND	ND

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mg/kg = milligram per kilogram = ppm  
ND = Not detected

Tested Components:

- (1) White non - woven fabric with blue/ black / red printing(bag).
- (2) White powder (desiccant).

(B) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	0.1% (1000 ppm)
Polybrominated Biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated Diphenyl ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from Annex II of 2011/65/EU.

(C) Test Method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Non-Metal)	With reference to IEC 62321 edition 1.0 : 2008, by alkaline digestion and determined by UV-VIS Spectrophotometer	1 mg/kg
Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs)	With reference to IEC 62321-6 : 2015, by solvent extraction and determined by GC/MS.	20 mg/kg

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The explanation of Chromium VI (Cr<sup>6+</sup>) analysis result

Colorimetric result	Qualitative result	Explanation
< 0.10 µg/cm <sup>2</sup>	Negative	The result of sample is negative for Cr (VI). The sample coating is considered a non-Cr(VI) based coating.
≥ 0.10 µg/cm <sup>2</sup> and ≤ 0.13 µg/cm <sup>2</sup>	Inconclusive	The result of sample is considered to be inconclusive. If addition samples are available, recommend to add trials and get the average result for the final determination.
> 0.13 µg/cm <sup>2</sup>	Positive	The result of sample is positive for Cr(VI). The sample coating is considered to contain Cr(VI). A result expresses as positive, while not an actual value, which indicates a visual observation was used.

Date sample received : Feb 09, 2017  
Testing period : Feb 09, 2017 to Feb 14, 2017

(2) Phthalate Content Test

Test Method : EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compounds	Result (% w/w)		Limit (% w/w) (max.)
	(1)	(2)	
Dibutyl phthalate (DBP)	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	0.1
Diisobutyl phthalate (DIBP)	<0.01	<0.01	0.1

Remark : The above limit was quoted according to Commission Delegated Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU (known as RoHS Directive).

Tested Components :

- (1) White non-woven fabric with blue/ black /red printing (bag).
- (2) White powder (desiccant).

Date sample received : Feb 09, 2017  
Testing period : Feb 09, 2017 to Feb 10, 2017

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End of report

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