ADMATERIALS TECHNOLOGIES PTE LTD
58 Sungei Kadut Loop Singapore 729501
Tel: +65 6362 9066 Fax: +65 6362 2080
Co. Reg. No.: 200805959C Email: admaterials.lab@exova.com
Website: www.exova.com, www.admaterials.com.sg

09-077/02

ADMATERIALS TECHNOLOGIES PTE LTD
An Exova Group company

TEST REPORT

CLIENT NAME	:	VANDEX INTERNATIONAL LTD
ADDRESS	:	ROTISTRASSE 6, P.O. BOX CH-4501 SOLOTHURN, SWITZERLAND
ATTENTION TO	:	MR. DEXTER TANG
TEL NO	:	8100 1631
FAX NO	:	-
ACCOUNT CHARGEABLE TO	:	VANDEX INTERNATIONAL LTD
PROJECT CODE	:	D0469
PROJECT TITLE	:	GREEN LABEL TEST (CATEGORY 32)
SUBJECT & TEST STANDARD	:	GREEN LABEL TESTING CAT. 032

1. FORMALDEHYDE	:	UV-VIS
2. HALOGENATED COMPOUNDS	:	GC-MS
3. AROMATIC COMPOUNDS	:	GC-MS
4. HEAVY METALS: MERCURY, LEAD,CADMIUM & CHROMIUM	:	EPA METHOD 3050B/6010D
5. N-METHYL PYRROLINONE (NMP)	:	GC-MS
6. FLASH POINT	:	ASTM D3828-16A
7. VOLATILE ORGANIC COMPOUNDS (VOC)	:	ISO 11890-2:2013
8. ALKYL PHENOL ETHOXYLATE	:	GC-MS
9. EPICHLOROHYDRIN	:	GC-MS

JOB REF.	:	ADM/17/17749
SAMPLE DESCRIPTION	:	GRAY SOLID POWDER
SAMPLE REFERENCE	:	VANDEX SUPER
DATE RECEIVED	:	20-Dec-2017
DATE OF TEST	:	21-Dec-2017 TO 27-Dec-2017
DATE OF REPORT	:	28-Dec-2017
TOTAL PAGES	:	2 (including cover page)

Terms & conditions:

1. The Report is prepared based on the tests requested and on the specific items submitted to Admaterials for testing. Admaterials assumes no responsibility for variations in quality or other characteristics of items submitted under conditions over which Admaterials has no control. This Report does not constitute a recommendation for, or endorsement of, the item or material tested.
2. Admaterials agrees to use a reasonable degree of diligence in the manner of performing the tests, inspections or services but no warrants are given and none may be implied directly or indirectly relating to Admaterials' test results, services or facilities. In no event shall Admaterials be liable for collateral, special or consequential damage.
3. The Report must not be used in advertisements without the written consent of Admaterials.
4. The Report shall not be reproduced except in full and unless approval in writing has been given by Admaterials.
5. No other third party can obtain the Report through Admaterials, unless specified in the Admaterials registration form or he has received written instruction from the applicant to authorise Admaterials to do so.

ADMATERIALS TECHNOLOGIES PTE LTD
58 Sungei Kadut Loop Singapore 729501
Tel: +65 6362 9066 Fax: +65 6362 2080
Co. Reg. No.: 200805959C Email: admaterials.lab@exova.com
Website: www.exova.com, www.admaterials.com.sg

SAMPLE REFERENCE: VANDEX SUPER

TEST RESULT:

Parameter	Result	Unit	Reporting Limit	Specification[1]	Comments
Formaldehyde	ND	% (w/w)	0.01	ND	Pass
Halogenated Compounds	ND	% (w/w)	0.01	ND	Pass
Aromatic Compounds	ND	% (w/w)	0.01	ND	Pass
Mercury	ND	% (w/w)	0.01	ND	Pass
Lead	ND	% (w/w)	0.01	ND	Pass
Cadmium	ND	% (w/w)	0.01	ND	Pass
Chromium	ND	% (w/w)	0.01	ND	Pass
N-methyl pyrrolinone (NMP)	ND	% (w/w)	0.01	ND	Pass
Flash Point	> 61°C	°C	-	≥ 61°C	Pass
Volatile Organic Compounds (VOC)	0.16	g/L	0.001g/L	≤ 200g/L[3]	Pass
Alkyl Phenol Ethoxylate	ND	% (w/w)	0.01	ND	Pass
Epichlorohydrin	ND	% (w/w)	0.01	ND	Pass

Remarks:
1. Under Singapore Green Labelling Scheme (SGLS) Certification Guide, Category 032.
2. ND refers to Not Detected.
3. Requirement for VOC, solvents & paints, Category 32, under VOC for solvent paints and stains only.
   The specification for other VOCs are as below :

		Interior Max VOC (g/L)	Exterior Max VOC (g/L)
VOC (for Water coating Paints and stains only	Matt	25	50
	Low Sheen	30	50
	Semi Gloss	40	65
	Gloss	70	70
VOC (for solvent varnishes only)	< 250g/L		
VOC (for water varnishes only)	≤50g/L		

4. Density of VANDEX SUPER is approx. 1.5kg/L as provided by customer.

PREPARED BY:

TAY BOON HWA
Assistant Chemist
DID : (65) 6362 9076
Email : boonhwa.tay@Exova.com

APPROVED BY:

TAY CHIOU YANN
Manager (Environmental Laboratory)
DID : (65) 6362 9732
Email : Chiouyann.Tay@Exova.com