

## Test Report

No.: VNSL1812028715TX-01

Date: Dec 19, 2018

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This report supersedes all previous document(s) bearing the test report number **VNSL1812028715TX** dated Dec 18, 2018.

### CONG TY TNHH HOA CHAT HUNG XUONG

KCN HAI SON, AP BINH TIEN 2, XA DUC HOA HA, HUYEN DUC HOA,  
TINH LONG AN, VIETNAM

The following sample was submitted and identified by the client as:

Sample No.	Sample Description
A	PANNOX-815M (H-45) in DARK YELLOW LIQUID

Color Submitted : Dark yellow liquid

Supplier : PAN ASIA CHEMICAL CORP

Lot No. : 4706002H45

End use : Apparel

Sample Receiving Date : Dec 06, 2018 PM. Confirmation Date: Dec 11, 2018

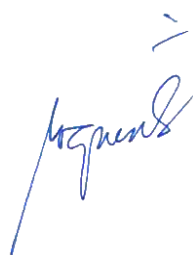
Test Performing Period : Dec 11, 2018 – Dec 18, 2018

Test Performed : Selected test(s) as requested by applicant.

\* \* \*

Test Results : Please refer to the next page(s).

Signed for and on behalf of  
**SGS Vietnam LTD**



Rhodora Quinto  
Softlines Lab Manager

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### Component List / List of Materials

Sample No.	Component	Material	Color	Fiber Type	Remark
A1	Dark yellow liquid	Chemical	Dark yellow	-	-

### PHOTO OF SUBMITTED SAMPLE



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### Test Result:

#### 1,4-Dioxane

Test Method: In-house Method. Analysis was conducted by headspace GC-MS

	<b>CAS No</b>	<b>Result (mg/kg)</b>
		<b>A1</b>
1,4-Dioxane	123-91-1	457

Note: n.d.= not detected  
mg/kg = ppm  
Detection Limit = 1.0 mg/kg

### Ethylene oxide

Test Method: In-house Method. Analysis was conducted by headspace GC-MS

	<b>CAS No</b>	<b>Result (mg/kg)</b>
		<b>A1</b>
Ethylene oxide	75-21-8	n.d.

Note: n.d.= not detected  
mg/kg = ppm  
Detection Limit = 1.0 mg/kg

### Glycols

Test Method : In-house method by solvent extraction. Analysis was performed by GC-MS

<b>Chemical Substances</b>		<b>Results (mg/kg)</b>
	<b>CAS No.</b>	<b>A1</b>
Bis(2-methoxyethyl)-ether	111-96-6	n.d.
2-Butoxyethanol	111-76-2	n.d.
2-Ethoxyethanol	110-80-5	n.d.
2-Ethoxyethyl acetate	111-15-9	n.d.
Ethylene glycol dimethyl ether	110-71-4	n.d.
2-Methoxyethanol	109-86-4	n.d.
2-Methoxyethylacetate	110-49-6	n.d.
2-(2-Methoxyethoxy)-ethanol	111-77-3	n.d.
1-Methoxy-2-propanol	107-98-2	n.d.
2-Methoxy-1-propanol	1589-47-5	n.d.
2-Methoxypropylacetate	70657-70-4	n.d.
Triethylene glycol dimethyl ether	112-49-2	n.d.

Note: n.d.= not detected  
mg/kg = ppm  
Detection Limit:  
2-(2-Methoxyethoxy)-ethanol : 1.0 mg/kg  
Others: 5.0 mg/kg

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### **Alkylphenols (AP) & Alkylphenol Ethoxylates (APEO) (\*)**

Test Method: With reference to ISO 18254-1:2016. Analysis was conducted by HPLC-MS.

		<b>Result (mg/kg)</b>
	<b>CAS-No.</b>	<b>A1</b>
Nonylphenol (NP)	--	n.d.
Octylphenol (OP)	--	n.d.
Nonylphenol Ethoxylate (NPEO)	--	n.d.
Octylphenol Ethoxylate (OPEO)	--	n.d.

Note: n.d. = not detected  
 mg/kg = ppm  
 Detection Limit  
 NP, OP = 10 mg/kg (for individual substance)  
 NPEO, OPEO = 30 mg/kg (for individual substance)

Remark: Above test (\*) is accredited ISO 17025: 2005 by VILAS.

*Report results refer to submitted sample(s) only*

\*\*\* End of Report \*\*\*

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