



07-Apr-2014

Joel Mitchell
SaniGLAZE
115 Park St
Jacksonville, FL 32204

Re: **Perm-Shine 266 Epoxy**

Work Order: **14031350**

Dear Joel,

ALS Environmental received 3 samples on 28-Mar-2014 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 11.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Beamish".

Electronically approved by: Tom Beamish

Tom Beamish
Senior Project Manager



Certificate No: MN 532786

Report of Laboratory Analysis

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: SaniGLAZE
Project: Perm-Shine 266 Epoxy
Work Order: 14031350

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
14031350-01	Perm-Shine 266 Epoxy Base	Liquid		03/26/14	03/28/14 10:00	<input type="checkbox"/>
14031350-02	Perm-Shine 266 Epoxy Cure	Liquid		03/26/14	03/28/14 10:00	<input type="checkbox"/>
14031350-03	Base (100) : Cure (30.99) mixture	Liquid		03/26/14	03/28/14 10:00	<input type="checkbox"/>

Client: SaniGLAZE
Project: Perm-Shine 266 Epoxy
WorkOrder: 14031350

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCS D	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
%	Percent
% of sample	Percent of Sample
lbs/gallon	Pounds per Gallon
wt%	Weight Percent

ALS Group USA, Corp

Date: 07-Apr-14

Client: SaniGLAZE
Project: Perm-Shine 266 Epoxy
Sample ID: Perm-Shine 266 Epoxy Base
Collection Date: 03/26/14

Work Order: 14031350
Lab ID: 14031350-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DENSITY - PAINT			D1475-85			Analyst: RLF
Density - Paint	9.1			lbs/gallon	1	04/03/14 03:00 PM
KARL FISCHER WATER			D4017-81			Analyst: JB
Karl Fischer Water	0.11		0.050	wt%	1	04/03/14 09:30 AM
TOTAL SOLIDS			A2540 B-97			Analyst: AT
Total Solids	81		0.050	% of sample	1	04/01/14 10:07 AM
VOLATILE MATTER CONTENT			METHOD 24			Analyst: JJG
Volatile Matter Content	19			%	1	04/04/14 02:55 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 07-Apr-14

Client: SaniGLAZE
Project: Perm-Shine 266 Epoxy
Sample ID: Perm-Shine 266 Epoxy Cure
Collection Date: 03/26/14

Work Order: 14031350
Lab ID: 14031350-02
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DENSITY - PAINT			D1475-85			Analyst: RLF
Density - Paint	8.4			lbs/gallon	1	04/03/14 03:00 PM
KARL FISCHER WATER			D4017-81			Analyst: JB
Karl Fischer Water	ND		0.050	wt%	1	04/03/14 09:30 AM
TOTAL SOLIDS			A2540 B-97			Analyst: AT
Total Solids	65		0.050	% of sample	1	04/01/14 10:07 AM
VOLATILE MATTER CONTENT			METHOD 24			Analyst: JJG
Volatile Matter Content	35			%	1	04/04/14 02:55 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 07-Apr-14

Client: SaniGLAZE
 Project: Perm-Shine 266 Epoxy
 Sample ID: Base (100) : Cure (30.99) mixture
 Collection Date: 03/26/14

Work Order: 14031350
 Lab ID: 14031350-03
 Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DENSITY - PAINT			D1475-85			Analyst: RLF
Density - Paint	9.1			lbs/gallon	1	04/03/14 03:00 PM
KARL FISCHER WATER			D4017-81			Analyst: JB
Karl Fischer Water	ND		0.050	wt%	1	04/03/14 09:30 AM
TOTAL SOLIDS			A2540 B-97			Analyst: AT
Total Solids	80		0.050	% of sample	1	04/01/14 10:07 AM
VOLATILE MATTER CONTENT			METHOD 24			Analyst: JJG
Volatile Matter Content	20			%	1	04/04/14 02:55 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: SaniGLAZE

QC BATCH REPORT

Work Order: 14031350

Project: Perm-Shine 266 Epoxy

Batch ID: **R138220**

Instrument ID **WETCHEM**

Method: **A2540 B-97**

MBLK	Sample ID: MB-R138220-R138220				Units: % of sample	Analysis Date: 04/01/14 10:07 AM				
Client ID:	Run ID: WETCHEM_140401R			SeqNo: 2695632	Prep Date:	DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Solids	ND	0.050								

The following samples were analyzed in this batch:

14031350-01A	14031350-02A	14031350-03A
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Client: SaniGLAZE
Work Order: 14031350
Project: Perm-Shine 266 Epoxy

QC BATCH REPORT

Batch ID: **R138296** Instrument ID **WETCHEM** Method: **D4017-81**

LCS		Sample ID: WLCSW1-140403-R138296				Units: wt%		Analysis Date: 04/03/14 09:30 AM		
Client ID:		Run ID: WETCHEM_140403B			SeqNo: 2697554		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Karl Fischer Water	0.115	0.050	0.1	0	115	70-130	0			
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LCS		Sample ID: WLCSW1-140403-R138296				Units: wt%		Analysis Date: 04/03/14 09:30 AM		
Client ID:		Run ID: WETCHEM_140403B			SeqNo: 2697558		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Karl Fischer Water	0.115	0.050	0.1	0	115	70-130	0			
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The following samples were analyzed in this batch:

14031350-01A	14031350-02A	14031350-03A
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ALS Laboratory Group
 10450 Stancliff Rd., Suite 210
 Houston, Texas 77099
 Tel. +1 281 530 5656
 Fax. +1 281 530 5887

Chain of Custody Form

Page ____ of ____

ALS Laboratory Group
 3352 128th Ave.
 Holland, MI 49424-9263
 Tel: +1 616 399 6070
 Fax: +1 616 399 6185

Customer Information		Project Information		ALS Project Manager: T93		ALS Work Order #: 14031350	
Purchase Order		Project Name	VOC TEST	A	8260-VOC		
Work Order		Project Number		B			
Company Name	Lotus Chemicals	Bill To Company	Sani GLAZE	C			
Send Report To	Victor Cholera	Invoice Attn		D			
Address	Po Box 890711	Address		E			
City/State/Zip	Houston TX 77289-0711	City/State/Zip		F			
Phone	281-218-6800	Phone		G			
Fax	281-751-7000	Fax		H			
e-Mail Address		e-Mail Address		I			
				J			

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Perm-Shine 266 Base	3/26/14					X										
2	Perm-Shine 266 Amet Cat	↓					X										
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign **Shipment Method** **Required Turnaround Time: (Check Box)** Other _____
 STD 10 Wk Days 5 Wk Days 2 Wk Days 24 Hour **Results Due Date:**

Relinquished by: <i>V.H. Cholera</i>	Date: 3/27/14	Time: 11:15	Received by: <i>Beth M. O'Neil</i>	Notes:
Relinquished by: <i>Felix</i>	Date: 3/27/14	Time: 1800	Received by (Laboratory): <i>R. C. [Signature]</i>	Cooler ID
Logged by (Laboratory): <i>DFS</i>	Date: 3/28/14	Time: 1530	Checked by (Laboratory): <i>T93</i>	Cooler Temp: 10.0°C
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035				QC Package: (Check One Box Below)
				<input type="checkbox"/> Level II Std QC <input type="checkbox"/> TRRP Checklist
				<input type="checkbox"/> Level III Std QC/Raw Date <input type="checkbox"/> TRRP Level IV
				<input type="checkbox"/> Level IV SW846/CLP
				<input type="checkbox"/> Other _____

Tom Beamish

From: Victor Cholera [lotuschem@yahoo.com]

Sent: Friday, March 28, 2014 3:53 PM

To: Tom Beamish

Cc: joel Mitchell

Subject: Lotus Perm-Shine 266 for VOC testing

Hi Tom:

Happy TGIF!

I dropped off our Lotus Perm-Shine 266 Epoxy Base and Epoxy Cure at your facility in Houston yesterday. Ms. Bethany McDaniel took the possession of the samples and the MSDS.

As per your discussion, the samples are almost one pint each, which you can use for three tests. The Mixing Ratio for the Base:Cure is: 100 Grams of Base will need 30.99 Grams of the Cure.

If you have any question, please call me.

Thanks,

Victor

V. H. (Victor) Cholera, Ph. D.

Lotus Chemicals Co., Inc.

Tel. No.: (281) 218-6800

Cell: (281) 935-3251

ALS Group: Click [here](#) to report this email as spam.

Sample Receipt Checklist

Client Name: **SANIGLAZE**

Date/Time Received: **28-Mar-14 10:00**

Work Order: **14031350**

Received by: **DS**

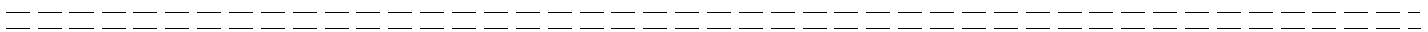
Checklist completed by Diane Shaw 28-Mar-14
eSignature Date

Reviewed by: Tom Bramish 07-Apr-14
eSignature Date

Matrices: Liquid
 Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="10.0 c"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="3/28/2014 3:46:02 PM"/>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<input type="text"/>		

Login Notes:



Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

CorrectiveAction: