

Gujarat Industrial Research & Development Agency

(A Government of Gujarat Organisation)

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Sample No. GIRDA / TR /

P / 511/ 18-19

Ref. No. TRP / TRG / NC

6019 / 647

Date :

14/05/2018

TEST REPORT

Issued to : Lotus Coating System,
04, Shikhar Residency, Nr. Navrachna School, New sama Road, Vadodara.
Ref. : Nil, Dated: 29/03/2018
Sample : One sample described as "Lotus make Perm Shine-266(Base) & Lotus make perm
Shine -266(Cure) Epoxy "

(The Sample/s was/were NOT drawn by this office)

REPORT

Sr.No.	Test	Result
1.	Visual Appearance	
	a) Base	: Colourless viscous liquid
	a) Hardner	: Slightly yellow colour liquid
2.	Density, gm/cc	
	a) Base	: 1.13
	a) Hardner	: 1.00
3.	Viscosity, Brookfield viscometer, mPas	
	a) Base, Sprindle-1, 3 RPM (at 35°C)	: 857
	a) Hardner, Sprindle-1, 200 RPM(at 35°C)	: 14
4.	Pigment Content of Base material, % w/w	: Nil
5.	Non-Volatile matter, Base material, %w/w	: 98.87
6.	IR Analysis of Base material	: chromatogram attached
	<u>Mixing ratio(Base : Hardner)</u>	<u>: 3:1 (By volume)</u>
7.	Applcation	: By Brush
8.	Consistency (Mix sample)	: Smooth & uniform
9.	Drying time	
	a) Touch dry, Minutes	: 1 Hrs 25 Minutes
	b) Hard dry, Hrs	: Overnight
10.	Dry film thickness, microns/coat	: 70
11.	Coverage capacity, m ² /litre	: 12.1
12.	Salt spray test for 7 days	: No any deterioration and corrosion of the steel
13.	Scratch hardness after cure	: No scratch observed up to 5000 gm load
14.	Pull of Adhesion, Psi	: 1500 Psi
15.	Conical Mandrel Bend Test	: No crack observed & No loss of adhesion
16.	% Volume Solid	: 82.20

Remarks: - (1) This report is NOT to be used for the purposes of advertisement or legal action.
(2) The result related only to the sample (s) tested.
(3) Test parameter in Sr. No. 1 to 5 & 7 to 13 tested as per IS: 101 : 1986.

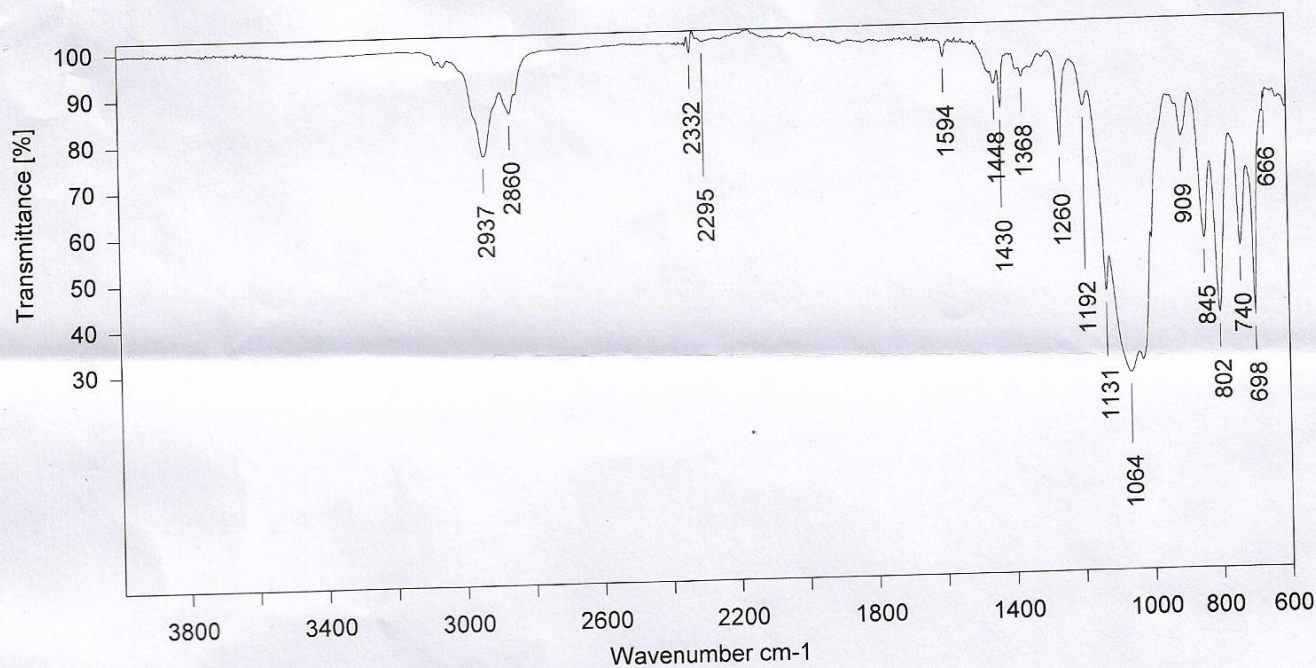
ANALYSED BY

CHECKED BY

Sr. SCIENTIFIC OFFICER



LOTUS PAINT



Handwritten signature
15/5/18

Experiment RESIN.XPM
Operator Name Default
Instrument Type Alpha
Resolution 4

Path of File C:\GIRDA FTIR 2017-18
Date of Measurement 15-05-2018
Sample Form BASE COMPOUND
Sample Scans 16