

VSI/Alco. Tech./2016-17/

SPPED POST

TEST REPORT

Sample Code No.	Rectified spirit sample		Date: 19-01-2017
Name & Address of Customer			
Batch No.	---	Sample Description	Rectified spirit
Sample drawn by	Customer	Date of Sample Receipt	23-12-2016
Sample Quantity	750 ml	Date of Sample Analysis	30-12-2016
Reference No.	---		

Chemical Parameters				
S.N.	Parameter	Result for Rectified spirit Sample	Desirable limits as per IS:323-2009 (Reaffirmed 2009)	Test Method
1	Acetaldehyde, mg/L of absolute alcohol	ND	Max. 100	In House Method
2	Acetone, mg/L of absolute alcohol	ND	NS	
3	Ethyl acetate, mg/L of absolute alcohol	ND	Max. 200	
4	Methanol, mg/L of absolute alcohol	ND	Max. 100	
5	2-Propanol, mg/L of absolute alcohol	ND	NS	
6	Ethanol, % v/v @ 20°C	NE	NS	
7	Diacetyl, mg/L of absolute alcohol	ND	NS	
8	2-Butanol, mg/L of absolute alcohol	ND	Max. 1000	
9	1-Propanol, mg/L of absolute alcohol	11.41	NS	
10	2,3 Pentanedione, mg/L of absolute alcohol	ND	NS	
11	n-butyl acetate, mg/L of absolute alcohol	ND	NS	
12	Iso-Butanol, mg/L of absolute alcohol	ND	NS	
13	1-Butanol, mg/L of absolute alcohol	ND	NS	
14	Iso-amyl acetate, mg/L of absolute alcohol	ND	Max. 300	
15	Amyl+ Iso-Amyl alcohol, mg/L of absolute alcohol	ND	NS	
16	Total higher alcohols, mg/L of absolute alcohol	11.41	NS	
17	Acetic acid, , mg/L of absolute alcohol	ND	NS	
18	Furfural, mg/L of absolute alcohol	ND	NS	

ND: Not Detected NE: Not Estimated, NS: Not Specified.

Analysed By

Nandita M. Naik

**Mrs. Nandita M. Naik
(Asst. Technical Officer)**

Authorized Signatory

Dr. S. V. Patil

**Head & Technical Advisor
Department of Alcohol Technology**

Note:


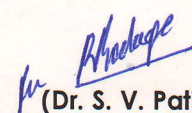
- Above result pertain only to the sample tested.
- Samples will be retained by us for a specified period, unless specific instructions to the contrary are received.
- The test report should not be reproduced except in full without written approval of laboratory.

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SPPED POST

TEST REPORT

Sample Code No.	Rectified spirit sample		Date: 19-01-2017
Name & Address of Customer	Udagiri Sugar and Power Ltd. Bamani (Pare), Tal. Khanapur, District Sangli, Maharashtra, India		
Batch No.	---	Sample Description	Rectified spirit
Sample drawn by	Customer	Date of Sample Receipt	23-12-2016
Sample Quantity	750 ml	Date of Sample Analysis	18-01-2017
Reference No.	---		

S.N.	Parameter	Result for Rectified spirit	Desirable limits as per IS:323-2009 (Reaffirmed 2009)
1	Permanganate reaction time, in min	42	NS
ND: Not Detected NE: Not Estimated, NS: Not Specified.			
Analysed By		Authorized Signatory	
 Mr. R. N. More (Asst. Technical Officer)		 (Dr. S. V. Patil) Head & Technical Advisor Department of Alcohol Technology	

Note:

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11/01/2017

SENSORY EVALUATION SCORE SHEET

Panel Members : Four
Sample Name : Rectified Spirit/1

Name of Organization

Sensory Scale:



Up to 4.5 : Rectified Spirit
4.5 to 5.5 : Export Quality Rectified Spirit
5.5 to 6.5 : Extra Neutral Alcohol
Above 6.5 : Super Fine Extra Neutral Alcohol

The rating has to be given on 0 – 7 scale with a division 0.25. The divisions are nothing but the psychological spacing of individual perception towards a particular sample.

Sample	Code	Source	Nose out of 7	Palate out of 7	Total Average
Rectified Spirit Sample/1	2112016/RS-1	By hand	5.40	5.60	5.50

Result: For Rectified Spirit sample/1:- 5.50 out of 5.50 on Organoleptic scale of EQRS analysis on Organoleptic scale of ENA analysis.

Describe any note perceived: The RS sample was found suitable for use in CL manufacture and ENA sample was found suitable for use in IMFL manufacture or pharmaceutical applications.

Note- This report is valid for the sample submitted to us.

(Signature)
(Dr. S. V. Patil)
Head & Technical Advisor
Department of Alcohol Technology