



# Reliance Industries Limited

Jamnagar- C2 Manufacturing Division

QA/QC Laboratory

## CERTIFICATE OF ANALYSIS

MEG

Certificate No. : 890000534090

Certificate Date : Feb 10, 2019

LIMS ID No. : 13858710

Date of Sampling : Feb 10, 2019

Product : MEG

Batch : F36HK

Product Description : MONO ETHYLENE GLYCOL

Tank Location : JMD-C2-T631003

DCPI : 609532772

DCPI Date : Feb 13, 2019

Customer Name :   
 AHMEDABAD

Tanker/Truck No. : GJ12Z4923

Sr. No.	Parameters	Test Method	UOM	Specification	Test Result
1	Appearance	ASTM D4176	--	Clear, Colourless / Liquid	Clear, colourless liquid
2	Suspended matter	ASTM D4176	--	Nil	NIL
3	Water	ASTM E203	wt%	0.050 Max	0.015
4	Mono ethylene glycol	ASTM E2409	wt%	99.800 Min	99.983
5	Diethylene glycol	ASTM E2409	wt%	0.080 Max	0.002
6	Specific gravity at 20/20°C	ASTM D4052	--	1.1151 - 1.1156	1.1155
7	Distillation Range - 5%Vol	ASTM D1078	°C	196.0 Min	196.7
8	Distillation Range - 95%Vol	ASTM D1078	°C	199.0 Max	197.1
9	UV Transmittance at 220nm	ASTM E2193	%	70.0 Min	79.9
10	UV Transmittance at 275nm	ASTM E2193	%	95.0 Min	95.6
11	UV Transmittance at 350nm	ASTM E2193	%	99.0 Min	99.3
12	Acidity as Acetic acid (CH <sub>3</sub> COOH)	ASTM D1613	mg/kg	10.0 Max	9.0
13	Aldehyde as CH <sub>3</sub> CHO	ASTM E2313	mg/kg	10.0 Max	3.5
14	Iron as Fe	ASTM E394	mg/kg	0.10 Max	0.09
15	Odour	In-house (Odour)	--	Mild	Mild
16	Colour (Pt-Co)	ASTM D1209	--	5 Max	4
17	Chloride as Cl	ASTM E2469	mg/kg	0.20 Max	0.06

### Remarks:-

- \* Product conforms to the specification.
- \* Results relate to the item tested only.
- \* Test report shall not be reproduced except in full without written permission.
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