



Reliance Industries Limited

Jamnagar-DTA Manufacturing Division (C2 Complex)
C/o Gujarat Chemical Port Limited PO: Lakhigam, Via: Dahej, Tal:
Vagra, Bharuch-392130
C2 Central Laboratory

CERTIFICATE OF ANALYSIS

Certificate No. : 890002232389

Date of Testing/Report : Jan 04, 2024

LIMS ID No. : 22389849

Date of Sampling : Jan 04, 2024

Product : MEG

Batch : G44CL

Product Description : Mono Ethylene Glycol (Fibre Grade)

Tank / Location : GCPTCLTT CR 24A

Sr.No.	Parameters	Test Method	UOM	Specification	Test Result
1	Colour	IS 5295 [Annex 2]	Pt-Co	5 Max	<5
2	Relative density (20/20°C)	IS 5295 [Annex 3]	---	1.1151 - 1.1156	1.1154
3	Distillation range IBP	IS 5295 [Annex 4]	°C	195.5 Min	197.0
4	Distillation range - 95%	IS 5295 [Annex 4]	°C	199.0 Max	197.6
5	Moisture content	IS 5295 [Annex 5]	wt%	0.05 Max	0.02
6	Acidity as Acetic acid (CH ₃ COOH)	IS 5295 [Annex 6]	mg/kg	20 Max	7
7	UV Transmittance at 220nm	IS 5295 [Annex 7]	%	70.0 Min	91.7
8	UV Transmittance at 275nm	IS 5295 [Annex 7]	%	95.0 Min	98.9
9	UV Transmittance at 350nm	IS 5295 [Annex 7]	%	99.0 Min	99.9
10	Iron content	IS 5295 [Annex 9]	mg/kg	0.1 Max	<0.1
11	Chloride as Cl	IS 5295 [Annex 10]	mg/kg	0.2 Max	<0.2
12	Diethylene glycol	IS 5295 [Annex 11]	mg/kg	800 Max	112
13	Purity	ASTM E 2409	wt%	99.80 Min	99.97
14	Aldehyde as HCHO	ASTM E2313	mg/kg	10.0 Max	<1
15	Appearance	ASTM E 2680	---	Clear Colourless Liquid free from suspended matter	Pass
16	Water solubility	ASTM D 1722	---	Miscible with water in all proportions at 20°C	Pass

Remarks:-

- * Product conforms to the specification on tested parameters.
- * Test report shall not be reproduced except in full without written permission.
- * Analysis done on received sample.

Pankaj Kumar Patel
Authorised Signatory
For and on Behalf of
Reliance Industries Limited

This is electronically generated document, hence no signature is required.