

LOTTE CHEMICAL

Certificate of Analysis

Product : MEG_MONO_ETHYLENE_GLYCOL

Date Issued : 2022/03/07

Port Sampled :

Date Sampled : 2022/03/06 12:12:46

Destination :

Quantity : 0.000 MT

Date Shipped : 2022/03/07

Decision : Pass

Test Item	Test Method	Unit	Spec. (Min)	Spec. (Max)	Result
Monoethylene Glycol	SD E0-594B	wt%	99.80		99.97
Diethylene Glycol	SD E0-498CB	wt%		0.05	0.02
Water	ASTM E-203	wtpm		500	50
Aldehyde	AS No. S-63A	wtpm		10	4
Fe	ASTM E-202	wtpm		0.1	LT0.1
Chloride	SD E0-635	wtpm		0.2	LT0.1
Acidity(as CH ₃ COOH)	ASTM D-1613	wtpm		20	12
UV Transmittance, 220nm	SD E0-577A	%	70		75
UV Transmittance, 275nm	SD E0-577A	%	90		95
UV Transmittance, 350nm	SD E0-577A	%	98		100
Specific Gravity(20/20)	ASTM D-891	-	1.1151	1.1156	1.1154
Color(APHA)	ASTM D-1209	-		5	3
Appearance	VISUAL				Clear
Distillation Range, 5 Vol.%	ASTM E-202		196		197
Distillation Range, 95 Vol.%	ASTM E-202			199	198
Ash	ASTM E-482	wtpm		10	3

I Certify the Above Statement of Quality to be True and Correct.

<http://www.lottechem.com>

Leader of Process Analysis Lab.