

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Ethanolamine (mono) 99% AR

Catalog Number : B-3033

Batch Number : 3033-00000000

CAS Number : 141-43-5

Molecular Weight : 61,08 g/mol

Mol. Formula : C₂H₇NO

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	a clear Viscous Hygroscopic liquid	clear Viscous Hygroscopic liquid
2	Assay (by GC)	min 99.0 %	99.66%
3	Wt. Per ml at 20 °C	1.016 – 1.020 g/cm ³	1.017 g/cm ³
4	Colour	max 15 Hazen	8 Hazen
5	Water (H ₂ O)	max 0.3 %	0.22%
6	Non-volatile matter	max 0.2 %	0.03%
7	Ethanol (GC)	max 0.1 %	0.06%
8	Diethanolamine(GC)	max 0.3 %	0.08%
9	Triethanolamine(GC)	max 0.1 %	0.05%
10	Sulphated Ash	max 0.02 %	0.008%
11	Copper (Cu)	max 0.0005 %	0.000016%
12	Iron(Fe)	max 0.0005 %	0.00004%
13	Heavy Metals (as Pb)	max 0.0005 %	0.000013%
14	Identity (IR)	passes test	passes

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC