

CERTIFICATE OF ANALYSIS

PRODUCT NAME : DIETHANOLAMINE AR

CAS No : 111-42-2

Product code : 22975

Formula : C₄H₁₁NO₂

Batch No : MCRT-29979

Mol. WT : 105.14

Mfd. : Dec. 2023

Date of Analysis : 20/12/23

Exp. : Nov. 2028

S.R	Test	Specification	Observation
1	Description	Clear, colourless to faint yellow colour viscous liquid with an amine like odour	Clear, colourless viscous liquid with an amine like odour
2	Assay (acidimetric)	99.0% min	99.96%
3	Refractive index	1.477 – 1.478	1.477
4	Wt. per ml at 20°C	1.095 – 1.097g	1.097g
5	Suitability for use as buffer for alkaline phosphate (test for inhibition)	Passes test	Passes test
6	Sulphated ash	0.01% max.	0.007%
7	Water	0.2% max.	0.11%
8	Triethanolamine	1.0% max.	<1.0%
9	Ethanolamine	0.5% max.	<0.5%
10	Cadmium(Cd)	0.0001% max.	<0.0001%
11	Cobalt (Co)	0.0001% max.	<0.0001%
12	Copper (Cu)	0.0001% max.	<0.0001%
13	Iron (Fe)	0.0001% max.	<0.0001%
14	Lead (Pb)	0.0001% max.	<0.0001%
15	Magnesium (Mg)	0.0001% max.	<0.0001%
16	Manganese (Mn)	0.0001% max.	<0.0001%
17	Nickel (Ni)	0.0001% max.	<0.0001%
18	Zinc(Zn)	0.0005% max.	<0.0005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Jyoti)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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