

CERTIFICATE OF ANALYSIS

PRODUCT NAME : DIETHANOLAMINE AR

CAS No : 111-42-2

Product code : 22975

Formula : C₄H₁₁NO₂

Batch No : MCRT- 28982

Mol. WT : 105.14

Mfd. : Aug. 2023

Date of Analysis : 07/08/23

Exp. : July 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	99.81%
3	Refractive index	1.477 – 1.478	1.477
4	Wt. per ml at 20°C	1.095 – 1.097g	1.096g
5	Suitability for use as buffer for alkaline phosphate (test for inhibition)	Passes test	Passes test
6	Sulphated ash	0.01% max.	0.008%
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
(Deepa)**

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

Note: Computer generated image requires no sign.

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • **Email:** info@molychem.net • **Web:** www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.