

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : BENZENE AR**

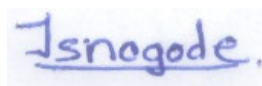
**CAS No : 71-43-2**  
**Mol. Formula : C<sub>6</sub>H<sub>6</sub>**  
**Mol. WT : 78.11**  
**Date of analysis : 24/08/24**

**Product code : 22240**  
**Batch No. : MCAR-00492**  
**Mfd. : Aug. 2024**  
**Exp. : July 2029**

S.R	Test	Specification	Observation
1	Description	A clear colourless liquid with a characteristic odour, APHA not greater than 10 HU	A clear colourless liquid with a characteristic odour, less than 10 HU
2	Assay (GC)	99.0 % min	99.95%
3	Wt. per ml at 20 <sup>o</sup> C	0.877-0.878g	0.877g
4	Freezing point	Not below 5.2 <sup>o</sup> C	6 <sup>o</sup> C
5	Refractive index	1.499-1.502	1.501
6	Water	0.05 % max	0.02%
7	Acidity	0.012 ml N% max	<0.012 ml N%
8	Alkalinity	0.012 ml N% max	<0.012 ml N%
9	Non Volatile Matter	0.001% max	0.0004%
10	Copper (Cu)	0.00002% max	<0.00002%
11	Iron (Fe)	0.00005% max	<0.00005%
12	Lead (Pb)	0.00002% max	<0.00002%
13	Organic impurities	Passes acid wash test	Passes acid wash test
14	Sulphur compound (CS <sub>2</sub> )	0.0003% max	<0.0003%
15	Thiophen (C <sub>4</sub> H <sub>4</sub> S)	0.0002% max	<0.0002%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Jyoti)**

**[QC Incharge]**



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

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](mailto:info@molychem.net) • Web: [www.molychem.net](http://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.