

CERTIFICATE OF ANALYSIS

PRODUCT NAME : BENZENE AR

CAS No : 71-43-2
Mol. Formula : C₆H₆
Mol. WT : 78.11
Date of analysis : 26/10/24

Product code : 22240
Batch No. : MCAR-00764
Mfd. : Oct. 2024
Exp. : Sept. 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	99.98%
3	Wt. per ml at 20 ⁰ C	0.877-0.878g	0.878g
4	Freezing point	Not below 5.2 ⁰ C	5.3 ⁰ C
5	Refractive index	1.499-1.502	1.501
6	Water	0.05 % max	0.01%
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	0.0008 %
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 ₂)	0.0003% max	<0.0003%
15	Thiophen (C ₄ H ₄ S)	0.0002% max	<0.0002%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Deepa)**

[QC Incharge]



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

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