



## **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** : 30/04/21

**Product code** : 22240  
**Batch No** : MCR-23302  
**Mfd.** : April 2021  
**Exp.** : March 2026

| 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°C                         | 0.877-0.878g                                                                       | 0.877g                                                                 |
| 4    | Freezing point                             | Not below 5.2°C                                                                    | 5.3°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]**

**[Q.C Incharge]**

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

**Note:** Computer generated image requires no sign.

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