

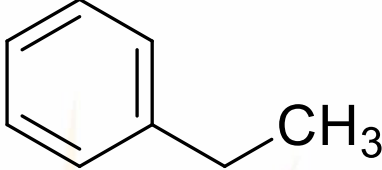
**manasa**TM

Life Sciences

Quality and Reliability...

(An ISO 9001:2015 & 17034:2016 Certified Company)

Standard Material Certificate of Analysis

Product Name	Ethyl benzene				
Chemical name	Phenylethane				
CAS Number	100-41-4	Lot Qty.	50.0 kg	M. Wt.	106.17 g/mol
Lot Number	MLS-EBZ/001	Mfg.	June-2026		
Molecular formula	C ₈ H ₁₀	Retest	June-2031		
COA Date	11-06-2026	Shipment & Storage	Room temperature ~20°C		
Catalogue Number	MLS-EBZ				
Chemical structure					
S. No.	Test Name	Specifications			Results
1	Description	Clear colorless liquid			Complies
2	Identification	Spectral data should confirm the chemical structure.			Complies (Results: Annex-1)
	1. ¹ H NMR				
	2. MASS				
3	3. FT-IR	Spectral data should confirm the chemical structure			Complies (Results: Annex-3)
	Purity by GC	Not less than 95.0%			99.96% (Results: Annex-4)
4	Water content by KF	Not more than 1.0%			0.128% (Results: Annex-5)

Note:

1. This standard material can be used for qualitative analysis only.
2. Caution: Do not dry the material. Use as such. Only for analytical purpose, not for human consumption
3. Traceability: Weigh measurements are done on the balance calibrated with OIML R 111-1 (E) compliant weights, Volumetric measurements and others determinations are traceable to SI units, Gravimetric determinations are traceable to NIST standards.
4. Expanded Uncertainty: 0.22%

Prepared by	Authorized by
	



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