

CERTIFICATE OF ANALYSIS

Product: Xylene (Mixture of isomers), Histology grade

Order No.: 214.07.01000.01

Batch No/Lot No: 214.07.01-D10.21

Quantity: 1Lit

Date of Production: 10/04/2021

Retest Date: 10/04/2023

Row	Test Item	Specification	Results	Reference
1	Appearance & Color	Clear & colorless.	Conforms	Merck standard
2	Solubility	Miscible with water, with alcohol, with ether, with benzene, & with most other organic solvents.	Conforms	Merck standard
3	Identification (GC)	The retention time of the major peaks in chromatogram of the assay preparation corresponds to that in the chromatogram of the standard preparation as obtained in the assay.	Conforms	Merck standard
4	Density (@20 °C)	Between (0.860 — 0.866) g/cm ³	0.866	Merck standard
5	Evaporation residue	N.M.T 0.005%	0.0	Merck standard
6	Water(Karl Fischer)	N.M.T 0.05%	0.005	Merck standard
7	Refractive Index (@20.0°C)	Between (1.495 — 1.499)	1.497	Merck standard
8	Acidity	N.M.T 0.5 ml	0.2	Merck standard
9	Boiling range @137-142°C	N.L.T 95 Vol%	95	Merck standard
10	Readily carbonizable substances	The color of two layers after 15 min is not darker than the color before mixing.	Conforms	Merck standard
11	Assay	N.L.T 99.0 % of C ₈ H ₁₀ mixture of isomers & Ethyl benzene	99.7	Merck standard

QC. Manager: Ms. Iravani

Qualified Person: Dr. Mojallali

Status:

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QC Approved

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