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Certificate of Analysis

Product **45122 - Xylene for molecular biology, 99.5% - [1330-20-7]**
Batch No **4846379**
Analysis Date 24-Jul-2022
Date of Manufacture July 2022
Expiry Date/Re-Test Date July 2027
Molecular Formula C₈H₁₀
Molecular Weight 106.17

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Total Assay (GC, C ₈ H ₁₀ isomers + Ethylbenzene)	min. 99.5%	99.55%
Density (g/ml) @ 20°C	0.860-0.865	0.860
Refractive Index (20°C)	1.497-1.499	1.497
Boiling Range	136-140°C	136-140°C
Non Volatile Matter	max. 0.001%	0.0002%
Acidity (HCl)	max. 0.001%	0.0003%
Substance Discoloured by H ₂ SO ₄	Passes test	Passes
Iron (Fe)	max. 0.00001%	Passes
Heavy Metals (Pb)	max. 0.00001%	Passes
Sulphur Compound (CS ₂)	max. 0.0003%	Passes
Thiophene homologues (C ₄ H ₄ S)	max. 0.0001%	Passes
Benzene (GC)	max. 0.1%	Passes
Toluene (GC)	max. 0.5%	Passes
Water (KF)	max. 0.1%	0.03%

FRM/82/11/2/45122 Rev No. 2 Date 20/07/2022

Prepared by **Rajashri**

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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