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Certificate of Analysis

Product **46300 - Cyclohexane for HPLC & UV Spectroscopy, 99.9% - [110-82-7]**
Batch No **9358521**
Analysis Date 09-Jun-2024
Date of Manufacture June 2024
Expiry Date/Re-Test Date June 2029
Molecular Formula C6H12
Molecular Weight 84.16

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max 10	Passes
Assay (GC)	min. 99.9%	99.93%
Density (g/ml) @ 20°C	0.777-0.779	0.777
Refractive Index (20°C)	1.425-1.426	1.425
Boiling Range	80-81°C	80-81°C
Freezing Point	6-7°C	7°C
Non Volatile Matter	max 0.0005%	0.0002%
Acidity (HCl)	max 0.001%	0.0004%
Substance Discoloured by H2SO4	Passes test	Passes
Benzene (C6H6)	max 0.01%	Passes
Cyclohexene (C6H10)	max 0.01%	Passes
Water (KF)	max 0.01%	0.006%
%T (Transmission) in a 1cm cell v/s H2O		.
@210nm	≥15	35
@220nm	≥60	61
@230nm	≥90	92
@240nm	≥98	100
@250-400nm	≥99	100
(after purging with N2 for 15 min.)		

FRM/82/11/2/46300 Rev No. 1 Date 01/11/2015

Prepared by Akshay

In compliance with the standard specifications of SRL

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

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