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# Certificate of Analysis

**Product** **46616 - Cyclohexane ACS, 99.5% - [110-82-7]**  
**Batch No** **4797316**  
**Analysis Date** 22-Apr-2024  
**Date of Manufacture** April 2024  
**Expiry Date/Re-Test Date** April 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 99.5%	99.89%
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. 0.002%	0.0003%
Substance Discoloured by H2SO4	Passes test	Passes
Water (KF)	max. 0.02%	0.003%
Absorbance of sample in 1cm cell v/s H2O		.
@210nm	max. 1.0	0.7894
@220nm	max. 0.50	0.2971
@230nm	max. 0.20	0.1072
@240nm	max. 0.08	0.0480
@250 nm	max. 0.03	0.0208
@260nm	max. 0.02	0.0066
@300-400nm	max. 0.01	0.0030

FRM/82/11/2/46616 Rev No. 2 Date 12/10/2023

Prepared by **Sujit**

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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