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Certificate of Analysis

Product **49135 - n-Pentane for HPLC & UV Spectroscopy, 99% - [109-66-0]**
Batch No **2962553**
Analysis Date 18-Mar-2024
Date of Manufacture March 2024
Expiry Date/Re-Test Date March 2029
Molecular Formula C5H12
Molecular Weight 72.15

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%	99.20%
Density (g/ml) @ 20°C	0.625-0.626	0.625
Refractive Index (20°C)	1.357-1.358	1.357
Boiling Range	35-36°C	35-36°C
Non Volatile Matter	max. 0.0005%	0.0001%
Acidity (CH3COOH)	max. 0.001%	0.0008%
Substance Discoloured by H2SO4	Passes test	Passes
Water (KF)	max. 0.01%	0.006%
%T (Transmission) in a 1cm cell v/s H2O		.
@195nm	≥10	11
@200nm	≥25	25
@210nm	≥50	80
@220nm	≥90	98
@230nm	≥98	100
@240-400nm	≥99	100

FRM/82/11/2/49135 Rev No. 1 Date 01/11/2015

Prepared by Sanket

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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