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Certificate of Analysis

Product	24899 - Acetonitrile (ACN) Gradient grade for HPLC, 99.9% - [75-05-8]
Batch No	1085351
Analysis Date	12-Dec-2023
Date of Manufacture	December 2023
Expiry Date/Re-Test Date	December 2028
Molecular Formula	CH ₃ CN
Molecular Weight	41.05

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%	99.97%
Density (g/ml) @ 20°C	0.780 - 0.783	0.780
Refractive Index (20°C)	1.343 - 1.344	1.343
Boiling Range	81 - 83°C	81-83°C
Non Volatile Matter	max. 0.0005%	0.0003%
Acidity (CH ₃ COOH)	max. 0.001%	0.0006%
Water (KF)	max. 0.03%	0.02%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@190nm	≥20	44
@195nm	≥80	95
@200nm	≥95	98
@210nm	≥97	99
@220nm	≥98	100
@230-400nm	≥99	100
Suitability for gradient analysis	Passes	Passes

FRM/82/11/2/24899 Rev No. 2 Date 01/10/2016

Prepared by Ashish

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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