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Certificate of Analysis

Product **58209 - Acetonitrile (ACN) for HPLC & UV Spectroscopy, 99.9% - [75-05-8]**
Batch No **4509725**
Analysis Date 13-May-2024
Date of Manufacture May 2024
Expiry Date/Re-Test Date May 2029
Molecular Formula CH₃CN
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%	99.95%
Density (g/ml) @ 20°C	0.780 - 0.783	0.782
Refractive Index (20°C)	1.343 - 1.344	1.344
Boiling Range	81 - 83°C	81 - 83°C
Non Volatile Matter	max. 0.0005%	0.0001%
Acidity (CH ₃ COOH)	max. 0.001%	0.0006%
Water (KF)	max. 0.03%	0.01%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@190nm	≥20	38
@195nm	≥75	98
@200nm	≥90	100
@210nm	≥95	100
@220nm	≥98	100
@230-400nm	≥99	100

FRM/82/11/2/58209 Rev No. 4 Date 01/03/2016

Prepared by **Sujit**

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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