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# Certificate of Analysis

<b>Product</b>	<b>24899 - Acetonitrile (ACN) Gradient grade for HPLC, 99.9% - [75-05-8]</b>
<b>Batch No</b>	<b>2625086</b>
<b>Analysis Date</b>	12-Mar-2024
<b>Date of Manufacture</b>	March 2024
<b>Expiry Date/Re-Test Date</b>	March 2029
<b>Molecular Formula</b>	CH <sub>3</sub> CN
<b>Molecular Weight</b>	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%	99.99%
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 <sub>3</sub> COOH)	max. 0.001%	0.0006%
Water (KF)	max. 0.03%	0.006%
%T (Transmission) in a 1cm cell v/s H <sub>2</sub> O		.
@190nm	≥20	30
@195nm	≥80	88
@200nm	≥95	99
@210nm	≥97	100
@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 Akshay

In compliance with the standard specifications of SRL

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