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Certificate of Analysis

Product **82745 - Acetonitrile (ACN) extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [75-05-8]**

Batch No **5968952**

Analysis Date 12-Mar-2024

Date of Manufacture March 2024

Expiry Date/Re-Test Date March 2029

Molecular Formula CH₃CN

Molecular Weight 41.05

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Complies
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.5%	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. 0.001%	0.0005%
Acidity (CH ₃ COOH)	max. 0.01%	0.0006%
Iron (Fe)	max. 0.00001%	Passes
Heavy Metals (Pb)	max. 0.00001%	Passes
Alkalinity	max. 0.001%(NH ₃)	Not detected
Benzene (GC)	max. 0.1%	Passes
Cyanide (CN)	max. 0.005%	Passes
Miscibility with water	Passes test	Passes
Water (KF)	max. 0.1%	0.01%

FRM/82/11/2/82745 Rev No. 1 Date 01/11/2015

Prepared by Akshay

In compliance with the standard specifications of SRL

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