



## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	:	<b>ACETONITRILE 99.9% HPLC GRADIENT GRADE®</b>
<b>Cas No.</b>	:	<b>75-05-8</b>
<b>Code No.</b>	:	<b>0033A</b>
<b>Batch No.</b>	:	<b>PC09241636</b>
<b>Mfg. Date</b>	:	<b>SEP-2024</b>
<b>Date Of Analysis</b>	:	<b>19/09/2024</b>
<b>Retest Date</b>	:	<b>AUG-2029</b>

TEST	SPECIFICATION	RESULT
Appearance	Clear colourless liquid	Clear colourless liquid
Density (d <sub>20</sub> <sup>o</sup> C/4 <sup>o</sup> C)	0.782 – 0.783 g/ml	0.783 g/ml
Acidity	Max 0.0002 meq/g	0.00005 meq/g
Alkalinity	Max 0.0002 meq/g	Nil
Identity (IR)	Passes test	Passes
Water (H <sub>2</sub> O)	Max 0.03%	0.013%
Non-volatile matter	Max 0.0005%	0.00014%
UV transmittance at 195 nm	Min 75.0%	85.31%
UV transmittance at 210 nm	Min 96.0%	97.87%
UV transmittance at 220 nm	Min 97.0%	98.82%
UV transmittance at 230 nm	Min 98.0%	99.64%
UV transmittance at 240 nm	Min 99.0%	100.02%
Gradient elution test at 210 nm	Max 10 mAU	Complies
Purity (by GC)	Min 99.9%	99.94%
UV transmittance at 200 nm	Min 95%	99.30%
Gradient elution test at 254 nm	Max 5 mAU	Complies
Dilution test (1:1, 1:2, water )	Solution is clear , colourless	Complies

REMARK : This product complies as per the specifications of **Pallav Chemicals & Solvents Pvt. Ltd.**

**This is an electronically generated Certificate and is valid without a signature.**

For Issues relating to Quality you may send us a mail on [sales@pallavchemicals.com](mailto:sales@pallavchemicals.com) or call on **022 4928 4000**

Website: [www.pallavchemicals.com](http://www.pallavchemicals.com)