

Certificate of Analysis

Product : **ACETONITRILE**

Batch No. **1374 7303-8**

Description : A clear colourless liquid
with characteristic odour.
APHA not greater than 10 H.U.

Grade : **GRADIENT**

QUALIGENS
Mfg. Date : **March 2013**

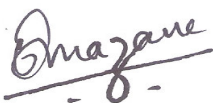
Application : For analysis

Expiry Phrase : Use within 5yrs of opening subject to
adhering to the storage conditions

SPECIFICATIONS	UNIT	STANDARDS	RESULTS
Description	----	A clear colourless liquid with characteristic odour. APHA not greater than 10 H.U.	A clear colourless liquid with characteristic odour. APHA not greater than 10 H.U.
Miscibility/ Solubility	----	Miscible with water forming clear colourless solution	Miscible with water forming clear colourless solution
Assay (by GC)	%	99.8 min.	99.95
Water (by K.F.)	%	0.03 max.	0.03
Non-volatile matter	%	0.0005 max.	0.0004
Acidity	%	0.001 max.	0.001
Suitability for gradient analysis			
Maximum absorbance of largest eluted peak at 210 nm (Linear from 100% water HPLC grade to 100% acetonitrile over 20 min, followed by 100% acetonitrile for further 10 min)	----	0.01 A.U.	< 0.01 A.U.
Transmission (1cm cell vsH₂O):-			
191 nm	%	35 min.	48.5
195 nm	%	80 min.	91.3
200 nm	%	90 min.	97.2
210 nm	%	95 min.	97.5
220 nm	%	97 min.	98.3
230 nm	%	98 min.	99.2
240 nm	%	99 min.	99.5

Additional Information :

The product has been tested by the Quality Control Laboratory of Thermo Fisher Scientific and conforms to the above specifications



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