

Certificate of Analysis

Product	Acetonitrile	Batch No.	: 21 05 0118
Grade	Super Gradient for HPLC	Manufacturing date	: 15/05/2021
Code No.	SG1005	Best before	: 05/2025

Items	Descriptions	Specifications	Test Results
1	Assay (by GC.)	99.9% min.	99.9%
2	Identity (IR)	Passes test	Passes test
3	Color (APHA)	10 max.	< 10
4	Water (by Coulometry)	0.02% max.	0.01%
5	Acidity (mEq./g.)	0.0002 max.	< 0.0002
6	Alkalinity (mEq./g.)	0.0002 max.	< 0.0002
7	Residue on Evaporation	0.0002% max.	< 0.0002%
8	UV Transmission Levels (%T)		
	230 nm	99% min.	99.9%
	195 nm	80% min.	90.7%
	190 nm	30% min.	37.6%
9	Gradient Specification		
	at 210 nm	1.0 mAU max.	< 1.0 mAU
	at 254 nm	0.5 mAU max.	< 0.5 mAU
10	Fluorescence (as quinine)		
	at 254 nm	1 ppb max.	< 1 ppb
	at 365 nm	0.5 ppb max.	< 0.5 ppb

Conforms to Reag. Ph.Eur

Suitable for HPLC, UPLC / UHPLC / Ultra HPLC - instruments.

Product passed through 0.2 micron final filter.

This is to certify the above batch has been tested and complies with this specification.

Ladaphan

Chemist

Achan

Technical Manager