

**Scharlab S.L.**

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC0331_25360812/1****Product** Acetonitrile, supragradient HPLC grade, Reag. Ph.Eur., Methyl cyanide, Cyanomethane**Batch** 25360812**Quality release date** 28/11/2024**Expiry date** 11/2029**AC0331**

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,9
Litmus paper test	passes test	passes test
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7823 g/mL	0,779 - 0,783
Density (20°/20°)	0,7837 g/mL	0,781 - 0,785
Refractive index n _{20/D}	1,344	1,343 - 1,345
Distillation range (80 - 82 °C)	min. 95 %	min. 95
Acidity	0,00015 meq/g	≤ 0,0002
Alkalinity	0,00001 meq/g	≤ 0,0001
Residue on evaporation	0,0001 %	≤ 0,0001
Water (K.F.)	0,0074 %	≤ 0,01
Gradient grade (210 nm):		
maximum peak absorbance:	0,0015 AU	≤ 0,0015
maximum background absorbance:	0,0070 AU	≤ 0,01
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 190 nm	32,24 %	≥ 10
min. transmission at 195 nm	85,21 %	≥ 80
min. transmission at 200 nm	95,00 %	≥ 95
min. transmission at 210 nm	97,31 %	≥ 97
min. transmission at 220 nm	98,28 %	≥ 98
min. transmission at 254 nm	99,55 %	≥ 98
min. transmission between 240 and 420 nm	99,20 %	≥ 97,7
max. absorbance at 190 nm	0,492 AU	≤ 1,000
max. absorbance at 195 nm	0,070 AU	≤ 0,097
max. absorbance at 200 nm	0,022 AU	≤ 0,022
max. absorbance at 210 nm	0,012 AU	≤ 0,013
max. absorbance at 220 nm	0,008 AU	≤ 0,009
max. absorbance at 254 nm	0,002 AU	≤ 0,009
max. absorbance between 240 and 420 nm	0,003 AU	≤ 0,010
Fluorescence analysis: maximum absorbance: 1 ppb as quinine (in 0,1 N sulfuric acid), for the spectra recorded at the following conditions:		
EX wavelength between 220 and 450	passes test	passes test
EM wavelength between 250 and 550	passes test	passes test

Suitable for liquid chromatography at 254 nm.

Suitable for UPLC.

Microfiltered through membranes of pore diameter 0,1 µm.



Scharlab S.L.

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS

AC0331_25360812/1

Acetonitrile for chromatography, reag. Ph.Eur. R1, reag. Ph.Eur. R2

For laboratory use only.

A handwritten signature in black ink, appearing to be "Marta", written over a horizontal line.