

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product	Acetonitrile, supragradient HPLC grade	Batch	19325812
AC0331		Quality release date	07/11/2018
		Expiry date	11/2023

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7821 g/mL	0,779 - 0,783
Acidity	0,00013 meq/g	≤ 0,0002
Alkalinity	0,00002 meq/g	≤ 0,0001
Residue on evaporation	0,0001 %	≤ 0,0001
Water (K.F.)	0,0100 %	≤ 0,01
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 195 nm	83,60 %	≥ 80
min. transmission at 200 nm	95,17 %	≥ 95
min. transmission at 210 nm	97,45 %	≥ 97
min. transmission at 220 nm	99,00 %	≥ 98
max. absorbance at 195 nm	0,078 AU	≤ 0,097
max. absorbance at 200 nm	0,021 AU	≤ 0,022
max. absorbance at 210 nm	0,011 AU	≤ 0,013
max. absorbance at 220 nm	0,004 AU	≤ 0,009
Gradient grade (210 nm):		
maximum peak absorbance:	0,0011 AU	≤ 0,0015
maximum background absorbance:	0,009 AU	≤ 0,01
Fluorescence analysis: Max. absorbance: 1ppb as quinine (in 0,1N sulfuric acid) for the spectra at the following conditions:		
EX wavelength between 220 and 450	passes test	passes test
EM wavelength between 250 and 550	passes test	passes test

Microfiltered through membranes of pore diameter 0,22 µm.

suitable for UPLC