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CERTIFICATE OF ANALYSIS**AC0331_24307212/1**

Product	Acetonitrile, supragradient HPLC grade	Batch	24307212
AC0331		Quality release date	17/11/2023
		Expiry date	11/2028

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7823 g/mL	0,779 - 0,783
Acidity	0,00014 meq/g	≤ 0,0002
Alkalinity	0,00001 meq/g	≤ 0,0001
Residue on evaporation	0,0001 %	≤ 0,0001
Water (K.F.)	0,0093 %	≤ 0,01
Gradient grade (210 nm):		
maximum peak absorbance:	0,0005 AU	≤ 0,0015
maximum background absorbance:	0,0085 AU	≤ 0,01
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 190 nm	41,69 %	≥ 10
min. transmission at 195 nm	85,14 %	≥ 80
min. transmission at 200 nm	96,40 %	≥ 95
min. transmission at 210 nm	97,31 %	≥ 97
min. transmission at 220 nm	98,76 %	≥ 98
min. transmission at 254 nm	99,95 %	≥ 98
max. absorbance at 190 nm	0,380 AU	≤ 1,000
max. absorbance at 195 nm	0,070 AU	≤ 0,097
max. absorbance at 200 nm	0,016 AU	≤ 0,022
max. absorbance at 210 nm	0,012 AU	≤ 0,013
max. absorbance at 220 nm	0,005 AU	≤ 0,009
max. absorbance at 254 nm	< 0,001 AU	≤ 0,009
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.

For laboratory use only.