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CERTIFICATE OF ANALYSIS**AC0331_21548912/1**

Product Acetonitrile, supragradient HPLC grade

Batch 21548912

AC0331

Quality release date 26/02/2021

Expiry date 02/2026

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	0,00019 meq/g	≤ 0,0002
Alkalinity	0,00001 meq/g	≤ 0,0001
Residue on evaporation	0,0001 %	≤ 0,0001
Water (K.F.)	0,0052 %	≤ 0,01
Gradient grade (210 nm):		
maximum peak absorbance:	0,0010 AU	≤ 0,0015
maximum background absorbance:	0,0074 AU	≤ 0,01
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 195 nm	81,12 %	≥ 80
min. transmission at 200 nm	95,00 %	≥ 95
min. transmission at 210 nm	97,00 %	≥ 97
min. transmission at 220 nm	98,00 %	≥ 98
max. absorbance at 195 nm	0,091 AU	≤ 0,097
max. absorbance at 200 nm	0,022 AU	≤ 0,022
max. absorbance at 210 nm	0,013 AU	≤ 0,013
max. absorbance at 220 nm	0,009 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 0,22 µm.

For laboratory use only.