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CERTIFICATE OF ANALYSIS**AC0331_24327812/1**

Product	Acetonitrile, supragradient HPLC grade	Batch	24327812
AC0331		Quality release date	24/11/2023
		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	0,00015 meq/g	≤ 0,0002	
Alkalinity	0,00001 meq/g	≤ 0,0001	
Residue on evaporation	0,0001 %	≤ 0,0001	
Water (K.F.)	0,0058 %	≤ 0,01	
Gradient grade (210 nm):			
maximum peak absorbance:	0,0006 AU	≤ 0,0015	
maximum background absorbance:	0,0075 AU	≤ 0,01	
UV Spectroscopy in a 1,0 cm cell:			
min. transmission at 190 nm	39,59 %	≥ 10	
min. transmission at 195 nm	83,78 %	≥ 80	
min. transmission at 200 nm	95,16 %	≥ 95	
min. transmission at 210 nm	97,15 %	≥ 97	
min. transmission at 220 nm	98,41 %	≥ 98	
min. transmission at 254 nm	100,00 %	≥ 98	
max. absorbance at 190 nm	0,402 AU	≤ 1,000	
max. absorbance at 195 nm	0,077 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	0,007 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.