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CERTIFICATE OF ANALYSIS**AC0329_24517503/1**

Product Acetonitrile, gradient 240nm/ far UV HPLC grade

Batch 24517503

AC0329

Quality release date 07/02/2024

Expiry date 02/2029

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 %	≤ 0,0002
Water (K.F.)	0,0057 %	≤ 0,02
Gradient grade (240 nm)		
maximum background absorbance:	0,002 AU	≤ 0,01
maximum peak absorbance:	0,0002 AU	≤ 0,0015
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 200 nm	93,92 %	≥ 90
min. transmission at 205 nm	95,08 %	≥ 92
min. transmission at 210 nm	95,50 %	≥ 95
min. transmission at 220 nm	98,00 %	≥ 98
max. absorbance at 200 nm	0,027 AU	≤ 0,046
max. absorbance at 205 nm	0,022 AU	≤ 0,036
max. absorbance at 210 nm	0,020 AU	≤ 0,022
max. absorbance at 220 nm	0,009 AU	≤ 0,009

Microfiltered through membranes of pore diameter 0,22 µm.

For laboratory use only.