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CERTIFICATE OF ANALYSIS
AC0329_24024303/1

Product Acetonitrile, gradient 240nm/ far UV HPLC grade

Batch 24024303

AC0329

Quality release date 24/07/2023

Expiry date 07/2028

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	0,00013 meq/g	≤ 0,0002
Alkalinity	0,00001 meq/g	≤ 0,0001
Residue on evaporation	0,0001 %	≤ 0,0002
Water (K.F.)	0,0093 %	≤ 0,02
Gradient grade (240 nm)		
maximum background absorbance:	0,002 AU	≤ 0,01
maximum peak absorbance:	0,0003 AU	≤ 0,0015
UV Spectroscopy in a 1,0 cm cell:		
min. transmission at 200 nm	93,86 %	≥ 90
min. transmission at 205 nm	95,76 %	≥ 92
min. transmission at 210 nm	96,55 %	≥ 95
min. transmission at 220 nm	98,05 %	≥ 98
max. absorbance at 200 nm	0,028 AU	≤ 0,046
max. absorbance at 205 nm	0,019 AU	≤ 0,036
max. absorbance at 210 nm	0,015 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.