

CERTIFICATE OF ANALYSIS

AC0371_25973520/1

Product	Acetonitrile, LC-MS	Batch	25973520
AC0371		Quality release date	08/07/2025
		Expiry date	07/2030

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	0,00017 meq/g	≤ 0,0002
Aluminium (Al)	< 25 ppb	≤ 25
Barium (Ba)	< 5 ppb	≤ 5
Cadmium (Cd)	< 5 ppb	≤ 5
Calcium (Ca)	< 25 ppb	≤ 25
Chromium (Cr)	< 5 ppb	≤ 5
Cobalt (Co)	< 5 ppb	≤ 5
Copper (Cu)	< 5 ppb	≤ 5
Iron (Fe)	< 5 ppb	≤ 5
Lead (Pb)	< 5 ppb	≤ 5
Magnesium (Mg)	< 10 ppb	≤ 10
Manganese (Mn)	< 5 ppb	≤ 5
Nickel (Ni)	< 5 ppb	≤ 5
Potassium (K)	< 10 ppb	≤ 10
Silver (Ag)	< 5 ppb	≤ 5
Sodium (Na)	< 50 ppb	≤ 50
Tin (Sn)	< 5 ppb	≤ 5
Zinc (Zn)	< 5 ppb	≤ 5
Residue on evaporation	0,0001 %	≤ 0,0001
Water (K.F.)	0,0093 %	≤ 0,01
Suitability for use in LC-MS	passes test	passes test
UV spectroscopy in a 1,0 cm cell:		
min. transmission at 195 nm	86,96 %	≥ 80
min. transmission at 200 nm	96,46 %	≥ 95
min. transmission at 210 nm	97,70 %	≥ 97
min. transmission at 220 nm	98,84 %	≥ 98
min. transmission at 230 nm	99,39 %	≥ 99
max. absorbance at 195 nm	0,061 AU	≤ 0,097
max. absorbance at 200 nm	0,016 AU	≤ 0,022
max. absorbance at 210 nm	0,010 AU	≤ 0,013
max. absorbance at 220 nm	0,005 AU	≤ 0,009
max. absorbance at 230 nm	0,003 AU	≤ 0,004
Gradient grade (210 nm):		
maximum background absorbance:	0,0080 AU	≤ 0,012
maximum peak absorbance:	0,0010 AU	≤ 0,001
Gradient grade (254 nm):		
maximum peak absorbance:	0,0001 AU	≤ 0,0005



Scharlab S.L.

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

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Microfiltered through membranes of pore diameter of 0,1 µm.

For laboratory use only.

Results marked with # are out of specifications.
This certificate does not exempt the user from checking the results upon receipt of the goods.
Any copy of our CoA may be obtained from our website at www.scharlab.com

Marta Martínez Casals
Laboratory Technician

A handwritten signature in black ink, appearing to be "Marta Martínez Casals".