

**Scharlab S.L.**

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

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC0371_25251220/1**

Product	Acetonitrile, LC-MS	Batch	25251220
AC0371		Quality release date	25/10/2024
		Expiry date	10/2029
Analysis	Batch value	Specifications	
Assay (G.C.)	99,99 %	≥ 99,9	
Identity (IR-Spectrum)	passes test	passes test	
Density (20°/4°)	0,7821 g/mL	0,779 - 0,783	
Acidity	0,00013 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.)	0,0092 %	≤ 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	84,58 %	≥ 80	
min. transmission at 200 nm	95,14 %	≥ 95	
min. transmission at 210 nm	97,00 %	≥ 97	
min. transmission at 220 nm	98,07 %	≥ 98	
min. transmission at 230 nm	99,19 %	≥ 99	
max. absorbance at 195 nm	0,073 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	0,008 AU	≤ 0,009	
max. absorbance at 230 nm	0,004 AU	≤ 0,004	
Gradient grade (210 nm):			
maximum background absorbance:	0,010 AU	≤ 0,012	
maximum peak absorbance:	0,0006 AU	≤ 0,001	
Gradient grade (254 nm):			
maximum peak absorbance:	0,0001 AU	≤ 0,0005	

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



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

For laboratory use only.