Scharlab S.L.
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CERTIFICATE OF ANALYSIS

AC0371_25346320/1

Product	Acetonitrile, LC-MS	Batch	25346320
AC0371		Quality release date	26/11/2024
		Expiry date	11/2029

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20º/4º)	0,7823 g/mL	0,779 - 0,783
Acidity	0,00018 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.)	0,0061 %	≤ 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	84,17 %	≥ 80
min. transmission at 200 nm	95,01 %	≥ 95
min. transmission at 210 nm	97,00 %	≥ 97
min. transmission at 220 nm	98,10 %	≥ 98
min. transmission at 230 nm	99,07 %	≥ 99
max. absorbance at 195 nm	0,075 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:	0,0085 AU	≤ 0,012
maximum peak absorbance:	0,0005 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 Martinez Casals
Laboratory Technician

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

For laboratory use only.

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Marta Martinez Casals
Laboratory Technician