

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC0391_24042126/1**

Product	Acetonitrile, UHPLC-MS	Batch	24042126
AC0391		Quality release date	31/07/2023
		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	0,00014 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.)	0,0097 %	≤ 0,01	
Suitability for use in UHPLC-MS	passes test	passes test	
UV spectroscopy in a 1,0 cm cell:			
min. transmission at 195 nm	84,47 %	≥ 80	
min. transmission at 200 nm	96,31 %	≥ 95	
min. transmission at 210 nm	97,08 %	≥ 97	
min. transmission at 220 nm	98,22 %	≥ 98	
min. transmission at 230 nm	99,00 %	≥ 99	
max. absorbance at 195 nm	0,073 AU	≤ 0,097	
max. absorbance at 200 nm	0,016 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:	0,0075 AU	≤ 0,012	
maximum peak absorbance:	0,0005 AU	≤ 0,001	
Gradient grade (254 nm):			
maximum peak absorbance:	0,0001 AU	≤ 0,0002	

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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UHPLC-MS test ESI+	< 5 ppb Reserpin	≤ 5	
UHPLC-MS test ESI-	< 20 ppb Digoxin	≤ 20	

Microfiltered through membranes of pore diameter 0,1 µm.
For laboratory use only.