

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS

Product	Acetonitrile, UHPLC-MS	Batch	20010826
AC0391		Quality release date	16/07/2019
		Expiry date	07/2024
Analysis	Batch value	Specifications	
Assay (G.C.)	99,9 %	≥ 99,9	
Identity (IR-Spectrum)	passes test	passes test	
Density (20°/4°)	0,7821 g/mL	0,779 - 0,783	
Acidity	0,00015 meq/g	≤ 0,0002	
Aluminium (Al)	< 0,000005 %	≤ 0,000005	
Barium (Ba)	< 0,000002 %	≤ 0,000002	
Cadmium (Cd)	< 0,000002 %	≤ 0,000002	
Calcium (Ca)	< 0,00001 %	≤ 0,00001	
Chromium (Cr)	< 0,000002 %	≤ 0,000002	
Cobalt (Co)	< 0,000002 %	≤ 0,000002	
Copper (Cu)	< 0,000002 %	≤ 0,000002	
Iron (Fe)	< 0,000002 %	≤ 0,000002	
Lead (Pb)	< 0,00001 %	≤ 0,00001	
Magnesium (Mg)	< 0,000002 %	≤ 0,000002	
Manganese (Mn)	< 0,000002 %	≤ 0,000002	
Nickel (Ni)	< 0,000002 %	≤ 0,000002	
Potassium (K)	< 0,00001 %	≤ 0,00001	
Silver (Ag)	< 0,00001 %	≤ 0,00001	
Sodium (Na)	< 0,00001 %	≤ 0,00001	
Tin (Sn)	< 0,00001 %	≤ 0,00001	
Zinc (Zn)	< 0,00001 %	≤ 0,00001	
Residue on evaporation	0,0001 %	≤ 0,0001	
Water (K.F.)	0,0100 %	≤ 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	82,37 %	≥ 80	
min. transmission at 200 nm	95,66 %	≥ 95	
min. transmission at 210 nm	97,29 %	≥ 97	
min. transmission at 220 nm	98,61 %	≥ 98	
min. transmission at 230 nm	99,55 %	≥ 99	
max. absorbance at 195 nm	0,084 AU	≤ 0,097	
max. absorbance at 200 nm	0,019 AU	≤ 0,022	
max. absorbance at 210 nm	0,012 AU	≤ 0,013	
max. absorbance at 220 nm	0,006 AU	≤ 0,009	
max. absorbance at 230 nm	0,002 AU	≤ 0,004	
Gradient grade (210 nm):			
maximum background absorbance:	0,01 AU	≤ 0,012	
maximum peak absorbance:	0,0006 AU	≤ 0,001	
Gradient grade (254 nm):			
maximum peak absorbance:	< 0,0002 AU	≤ 0,0002	
UHPLC-MS test ESI+	< 5 ppb Reserpin	≤ 5	

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

M. Canet
Laboratory Manager

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Analysis	Batch value	Specifications	
UHPLC-MS test ESI-	< 20 ppb Digoxin	≤ 20	

Microfiltered through membranes of pore diameter 0,1 µm.

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M. Canet
Laboratory Manager