

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

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CERTIFICATE OF ANALYSIS**ME0334_24042529/1**

Product	Metanol, UHPLC-MS	Batch	24042529
ME0334		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°)	0,7914 g/mL	0,790 - 0,792	
Acidity	0,00004 meq/g	≤ 0,0002	
Alkalinity	0,00002 meq/g	≤ 0,0002	
Aluminium (Al)	< 10 ppb	≤ 10	
Barium (Ba)	< 5 ppb	≤ 5	
Cadmium (Cd)	< 5 ppb	≤ 5	
Calcium (Ca)	< 10 ppb	≤ 10	
Chromium (Cr)	< 5 ppb	≤ 5	
Cobalt (Co)	< 5 ppb	≤ 5	
Copper (Cu)	< 5 ppb	≤ 5	
Iron (Fe)	< 10 ppb	≤ 10	
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)	< 10 ppb	≤ 10	
Residue on evaporation	0,0001 %	≤ 0,0001	
Water (K.F.)	0,0132 %	≤ 0,02	
Suitability for use in UHPLC-MS	passes test	passes test	
UV Spectroscopy in a 1,0 cm cell:			
min. transmission at 205 nm	30,25 %	≥ 20	
min. transmission at 220 nm	85,24 %	≥ 60	
min. transmission at 240 nm	97,05 %	≥ 90	
min. transmission at 260 nm	99,41 %	≥ 98	
max. absorbance at 205 nm	0,519 AU	≤ 0,699	
max. absorbance at 220 nm	0,069 AU	≤ 0,222	
max. absorbance at 240 nm	0,013 AU	≤ 0,046	
max. absorbance at 260 nm	0,003 AU	≤ 0,009	
Gradient grade (235 nm):			
maximum peak absorbance:	0,0003 AU	≤ 0,001	
Gradient grade (254 nm):			
maximum peak absorbance:	0,0002 AU	≤ 0,0005	
UHPLC-MS test ESI+	< 5 ppb Reserpin	≤ 5	
UHPLC-MS test ESI-	< 20 ppb Digoxin	≤ 20	

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 0,1 µm.

For laboratory use only

A handwritten signature in black ink, appearing to be "Marta", written over a horizontal line.