

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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CERTIFICATE OF ANALYSIS**ME0334_21530829/1**Product Metanol, UHPLC-MS
ME0334Batch 21530829
Quality release date 23/02/2021
Expiry date 02/2026

Analysis	Batch value	Specifications
Assay (G.C.)	99,97 %	≥ 99,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7914 g/mL	0,790 - 0,792
Acidity	0,00014 meq/g	≤ 0,0002
Alkalinity	0,00002 meq/g	≤ 0,0002
Aluminium (Al)	< 0,1 ppm	≤ 0,1
Barium (Ba)	< 0,02 ppm	≤ 0,02
Cadmium (Cd)	< 0,05 ppm	≤ 0,05
Calcium (Ca)	< 0,1 ppm	≤ 0,1
Chromium (Cr)	< 0,02 ppm	≤ 0,02
Cobalt (Co)	< 0,02 ppm	≤ 0,02
Copper (Cu)	< 0,01 ppm	≤ 0,01
Iron (Fe)	< 0,02 ppm	≤ 0,02
Lead (Pb)	< 0,02 ppm	≤ 0,02
Magnesium (Mg)	< 0,02 ppm	≤ 0,02
Manganese (Mn)	< 0,01 ppm	≤ 0,01
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Potassium (K)	< 0,05 ppm	≤ 0,05
Silver (Ag)	< 0,1 ppm	≤ 0,1
Sodium (Na)	< 0,1 ppm	≤ 0,1
Tin (Sn)	< 0,1 ppm	≤ 0,1
Zinc (Zn)	< 0,1 ppm	≤ 0,1
Residue on evaporation	# 0,0003 %	≤ 0,0001
Water (K.F.)	0,0094 %	≤ 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	29,60 %	≥ 20
min. transmission at 220 nm	83,00 %	≥ 60
min. transmission at 240 nm	96,30 %	≥ 90
min. transmission at 260 nm	99,00 %	≥ 98
max. absorbance at 205 nm	0,529 AU	≤ 0,699
max. absorbance at 220 nm	0,081 AU	≤ 0,222
max. absorbance at 240 nm	0,016 AU	≤ 0,046
max. absorbance at 260 nm	0,004 AU	≤ 0,009
Gradient grade (235 nm):		
maximum peak absorbance:	< 0,0001 AU	≤ 0,001
Gradient grade (254 nm):		
maximum peak absorbance:	0,0005 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

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Marta Martinez Casals
Laboratory Technician

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