

CERTIFICATE OF ANALYSIS

Product	Metanol, UHPLC-MS	Batch	19731529
ME0334		Quality release date	12/04/2019
		Expiry date	04/2024
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	0,00006 meq/g	≤ 0,0002	
Alkalinity	0,00001 meq/g	≤ 0,0002	
Aluminium (Al)	< 0,00001 %	≤ 0,00001	
Barium (Ba)	< 0,000002 %	≤ 0,000002	
Cadmium (Cd)	< 0,000005 %	≤ 0,000005	
Calcium (Ca)	< 0,00001 %	≤ 0,00001	
Chromium (Cr)	< 0,000002 %	≤ 0,000002	
Cobalt (Co)	< 0,000002 %	≤ 0,000002	
Copper (Cu)	< 0,000001 %	≤ 0,000001	
Iron (Fe)	< 0,000002 %	≤ 0,000002	
Lead (Pb)	< 0,000002 %	≤ 0,000002	
Magnesium (Mg)	< 0,000002 %	≤ 0,000002	
Manganese (Mn)	< 0,000001 %	≤ 0,000001	
Nickel (Ni)	< 0,000002 %	≤ 0,000002	
Potassium (K)	< 0,000005 %	≤ 0,000005	
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.)	0,0080 %	≤ 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	25,74 %	≥ 20	
min. transmission at 220 nm	77,84 %	≥ 60	
min. transmission at 240 nm	95,06 %	≥ 90	
min. transmission at 260 nm	99,00 %	≥ 98	
max. absorbance at 205 nm	0,589 AU	≤ 0,699	
max. absorbance at 220 nm	0,109 AU	≤ 0,222	
max. absorbance at 240 nm	0,022 AU	≤ 0,046	
max. absorbance at 260 nm	0,004 AU	≤ 0,009	
Gradient grade (235 nm):			
maximum peak absorbance:	< 0,001 AU	≤ 0,001	
Gradient grade (254 nm):			
maximum peak absorbance:	< 0,0002 AU	≤ 0,0002	
UHPLC-MS test ESI+	< 5 ppb Reserpin	≤ 5	
UHPLC-MS test ESI-	< 20 ppb Digoxin	≤ 20	



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Microfiltered through membranes of pore diameter 0,1 µm.

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

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