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CERTIFICATE OF ANALYSIS

Product: **ME0315**

Methanol, Multisolvent® HPLC grade ACS ISO UV-VIS K.F.

Batch 17371307
Quality release date 04/08/2016
Expiry date 8/2021

Analysis	Batch value	Specifications
assay (G.C.)	99,99 %	min. 99,9 %
identity (IR-spectrum)	passes test	passes test
density (20º/4º)	0,7914	0,790 - 0,792
appearance	clear	clear
colour (Hazen)	< 10	max. 10
solubility in water	passes test	passes test
acidity	0,00006 meq/g	max. 0,0002 meq/g
alkalinity	0,00009 meq/g	max. 0,0002 meq/g
chlorides (Cl)	< 0,00005 %	max. 0,00005 %
sulfates (SO_4)	< 0,0001 %	max. 0,0001 %
aluminium (Al)	< 0,00001 %	max. 0,00001 %
arsenic (As)	< 0,000002 %	max. 0,000002 %
barium (Ba)	< 0,000001 %	max. 0,000001 %
beryllium (Be)	< 0,000002 %	max. 0,000002 %
bismuth (Bi)	< 0,000002 %	max. 0,000002 %
boron (B)	< 0,000002 %	max. 0,000002 %
cadmium (Cd)	< 0,000001 %	max. 0,000001 %
calcium (Ca)	< 0,00003 %	max. 0,00003 %
chromium (Cr)	< 0,000002 %	max. 0,000002 %
cobalt (Co)	< 0,000002 %	max. 0,000002 %
copper (Cu)	< 0,000002 %	max. 0,000002 %
gallium (Ga)	< 0,000002 %	max. 0,000002 %
gold (Au)	< 0,000002 %	max. 0,000002 %
indium (In)	< 0,000002 %	max. 0,000002 %
iron (Fe)	< 0,000002 %	max. 0,000002 %
lead (Pb)	< 0,00001 %	max. 0,00001 %
lithium (Li)	< 0,000005 %	max. 0,000005 %
magnesium (Mg)	< 0,00001 %	max. 0,00001 %
manganese (Mn)	< 0,000001 %	max. 0,000001 %
molybdenum (Mo)	< 0,000002 %	max. 0,000002 %
nickel (Ni)	< 0,000002 %	max. 0,000002 %
platinum (Pt)	< 0,000005 %	max. 0,000005 %
silver (Ag)	< 0,000002 %	max. 0,000002 %
thallium (Tl)	< 0,000002 %	max. 0,000002 %
tin (Sn)	< 0,00001 %	max. 0,00001 %

This certificate does not release the user from their control upon receipt of the goods
You can get a copy of any of our COA from our web site: www.scharlab.com

M. Canet
Laboratory Manager

Scharlab S.L. - Certificate of Analysis

Product name: **Methanol**, Multisolvent® HPLC grade ACS ISO UV-VIS K.F.
Batch: 17371307 **Product code:** ME0315

Analysis	Batch value	Specifications
titanium (Ti)	< 0,000002 %	max. 0,000002 %
vanadium (V)	< 0,000002 %	max. 0,000002 %
zinc (Zn)	< 0,000001 %	max. 0,000001 %
zirconium (Zr)	< 0,000002 %	max. 0,000002 %
acetone (G.C.)	< 0,0001 %	max. 0,001 %
ethanol (G.C.)	0,0020 %	max. 0,05 %
aldehydes and ketones (as C_2H_5CHO)	< 0,001 %	max. 0,001 %
acetaldehyde (CH_3CHO)	< 0,001 %	max. 0,001 %
formaldehyde	< 0,0001 %	max. 0,0001 %
carbonyl compounds (as CO)	< 0,001 %	max. 0,001 %
substances darkened by H_2SO_4	passes test	passes test
substances reducing $KMnO_4$	passes test	passes test
residue on evaporation	0,0002 %	max. 0,0002 %
water (K.F.)	0,0148 %	max. 0,03 %
liquid chromatography suitability		
absorbance	passes test	passes test
min. transmission/max. absorbance		
in a 1,0 cm cell at		
wavelength:	T(%) A (AU)	T(%) A (AU)
207 nm	10 % 1,000 AU	10 % 1,000 AU
220 nm	50 % 0,301 AU	50 % 0,301 AU
232 nm	80 % 0,097 AU	80 % 0,097 AU
242 nm	90 % 0,046 AU	90 % 0,046 AU
260 nm	98 % 0,009 AU	98 % 0,009 AU
Microfiltered through membranes		
of pore diameter 0,22 µm		

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M. Canet
Laboratory Manager