

CERTIFICATE OF ANALYSIS

Product Ethanol 96% v/v, reagent grade, ACS, Reag. Ph Eur

Batch 18141803

ET0004

Quality release date 19/06/2017

Expiry date 06/2022

Analysis	Batch value	Specifications
Assay (G.C.) (v/v)	96,59 %	95,1 - 96,9
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,8043 g/mL	0,804 - 0,807
Appearance	Clear and colourless	clear
Colour (Hazen)	1	≤ 10
Solubility in water	passes test	passes test
Acidity	0,00001 meq/g	≤ 0,0002
Alkalinity	0,00001 meq/g	≤ 0,0002
Chlorides (Cl)	< 0,00003 %	≤ 0,00003
Nitrates (NO ₃)	< 0,00003 %	≤ 0,00003
Phosphates (as PO ₄)	< 0,00003 %	≤ 0,00003
Sulfates (SO ₄)	< 0,00003 %	≤ 0,00003
Aluminium (Al)	< 0,00005 %	≤ 0,00005
Antimony (Sb)	< 0,000002 %	≤ 0,000002
Arsenic (As)	< 0,000002 %	≤ 0,000002
Barium (Ba)	< 0,00001 %	≤ 0,00001
Beryllium (Be)	< 0,000002 %	≤ 0,000002
Bismuth (Bi)	< 0,000002 %	≤ 0,000002
Boron (B)	< 0,000002 %	≤ 0,000002
Cadmium (Cd)	< 0,000005 %	≤ 0,000005
Calcium (Ca)	< 0,00005 %	≤ 0,00005
Chromium (Cr)	< 0,000002 %	≤ 0,000002
Cobalt (Co)	< 0,000002 %	≤ 0,000002
Copper (Cu)	< 0,000002 %	≤ 0,000002
Gallium (Ga)	< 0,000002 %	≤ 0,000002
Gold (Au)	< 0,000002 %	≤ 0,000002
Indium (In)	< 0,000002 %	≤ 0,000002
Iron (Fe)	< 0,00001 %	≤ 0,00001
Lead (Pb)	< 0,00001 %	≤ 0,00001
Lithium (Li)	< 0,000002 %	≤ 0,000002
Magnesium (Mg)	< 0,00001 %	≤ 0,00001
Manganese (Mn)	< 0,000002 %	≤ 0,000002
Molybdenum (Mo)	< 0,000002 %	≤ 0,000002
Nickel (Ni)	< 0,000002 %	≤ 0,000002
Platinum (Pt)	< 0,000002 %	≤ 0,000002
Silver (Ag)	< 0,000002 %	≤ 0,000002
Thallium (Tl)	< 0,000002 %	≤ 0,000002
Tin (Sn)	< 0,00001 %	≤ 0,00001
Vanadium (V)	< 0,000002 %	≤ 0,000002

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



**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS**Analysis**

Zinc (Zn)
Zirconium (Zr)
Formaldehyde
Furfural
Fusel oil
Acetaldehyde and acetal (G.C.)
Acetone (G.C.)
Benzene (G.C.)
Isoamyl alcohol (G.C.)
Methanol (G.C.)
Methylethylketone (G.C.)
2-Propanol (G.C.)
Aldehydes (as CH₃CHO)
Carbonyl compounds (as CO)
Higher alcohols (G.C.)
Substances darkened by H₂SO₄
Substances reducing KMnO₄
Residue on evaporation
Water (v/v) (K.F.)

Batch value

< 0,00001 %
< 0,000002 %
< 0,0005 %
passes test
passes test
< 0,001 %
0,0001 %
< 0,0001 %
0,0003 %
0,0001 %
< 0,0005 %
0,0006 %
< 0,001 %
< 0,003 %
< 0,005 %
passes test
passes test
0,0002 %
3,4110 %

Specifications

≤ 0,00001
≤ 0,000002
≤ 0,0005
passes test
passes test
≤ 0,001
≤ 0,001
≤ 0,0002
≤ 0,05
≤ 0,01
≤ 0,02
≤ 0,003
≤ 0,001
≤ 0,003
≤ 0,01
passes test
passes test
≤ 0,0005
3,1 - 4,9