

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

☎ +34937456400

✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSISProduct 2-Propanol, 99,8%, anhydrous (max. 0,005% H₂O)

Batch 20071211

AL0317

Quality release date 06/08/2019

Expiry date 08/2022

Analysis	Batch value	Specifications
Assay (G.C.)	99,99 %	≥ 99,8
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	0,7852 g/mL	0,784 - 0,786
Appearance	Clear	clear
Colour (Hazen)	5	≤ 10
Solubility in water	passes test	passes test
Acidity	0,00006 meq/g	≤ 0,0001
Alkalinity	< 0,0001 meq/g	≤ 0,0001
Chlorides (Cl)	< 0,00003 %	≤ 0,00003
Nitrates (NO ₃)	< 0,00003 %	≤ 0,00003
Phosphates (as PO ₄)	< 0,00005 %	≤ 0,00005
Sulfates (SO ₄)	< 0,0001 %	≤ 0,0001
Aluminium (Al)	< 0,5 ppm	≤ 0,5
Antimony (Sb)	< 0,02 ppm	≤ 0,02
Arsenic (As)	< 0,02 ppm	≤ 0,02
Barium (Ba)	< 0,1 ppm	≤ 0,1
Beryllium (Be)	< 0,02 ppm	≤ 0,02
Bismuth (Bi)	< 0,1 ppm	≤ 0,1
Boron (B)	< 0,02 ppm	≤ 0,02
Cadmium (Cd)	< 0,05 ppm	≤ 0,05
Calcium (Ca)	< 0,5 ppm	≤ 0,5
Chromium (Cr)	< 0,02 ppm	≤ 0,02
Cobalt (Co) ppm	< 0,02 ppm	≤ 0,02
Copper (Cu)	< 0,02 ppm	≤ 0,02
Gallium (Ga)	< 0,02 ppm	≤ 0,02
Gold (Au)	< 0,2 ppm	≤ 0,2
Indium (In)	< 0,02 ppm	≤ 0,02
Iron (Fe)	< 1 ppm	≤ 1
Lead (Pb)	< 0,1 ppm	≤ 0,1
Lithium (Li)	< 0,05 ppm	≤ 0,05
Magnesium (Mg)	< 0,1 ppm	≤ 0,1
Manganese (Mn)	< 0,02 ppm	≤ 0,02
Molybdenum (Mo)	< 0,02 ppm	≤ 0,02
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Platinum (Pt) ppm	< 0,02 ppm	≤ 0,02
Silver (Ag)	< 0,02 ppm	≤ 0,02
Tin (Sn)	< 0,1 ppm	≤ 0,1
Thallium (Tl)	< 0,02 ppm	≤ 0,02
Titanium (Ti)	< 0,02 ppm	≤ 0,02
Vanadium (V)	< 0,02 ppm	≤ 0,02
Zinc (Zn)	< 0,1 ppm	≤ 0,1

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.comM. Canet
Laboratory Manager

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Zirconium (Zr)	< 0,02 ppm	≤ 0,02
Acetone (G.C.)	< 0,0005 %	≤ 0,01
Ethanol (G.C.)	0,0029 %	≤ 0,01
Isopropylether (G.C.)	0,0015 %	≤ 0,01
Methanol (G.C.)	< 0,0005 %	≤ 0,1
n-Propanol (G.C.)	0,0035 %	≤ 0,1
Propionaldehyde	< 0,002 %	≤ 0,002
Peroxides (as H ₂ O ₂)	< 0,0003 %	≤ 0,0003
Substances reducing KMnO ₄	passes test	passes test
Substances darkened by H ₂ SO ₄	passes test	passes test
Residue on evaporation	0,0001 %	≤ 0,0005
Water (K.F.)	0,0033 %	≤ 0,005

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Laboratory Manager