

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product Acetic anhydride, ExpertQ®, ACS, ISO, Reag. Ph Eur

Batch 19950002

AN0155

Quality release date 26/06/2019

Expiry date 06/2024

Analysis	Batch value	Specifications
Assay (G.C.)	99,67 %	≥ 99
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	1,0814 g/mL	1,079 - 1,082
Boiling point	136 - 142 ° C	136 - 142
Colour (Hazen)	3	≤ 10
Appearance	clear	clear
Chlorides (Cl)	< 0,0002 %	≤ 0,0002
Phosphates (as PO4)	< 0,0005 %	≤ 0,0005
Sulfates (SO4)	< 0,0005 %	≤ 0,0005
Aluminium (Al)	< 0,00005 %	≤ 0,00005
Barium (Ba)	< 0,00001 %	≤ 0,00001
Boron (B)	< 0,000002 %	≤ 0,000002
Cadmium (Cd)	< 0,000005 %	≤ 0,000005
Calcium (Ca)	< 0,00005 %	≤ 0,00005
Chromium (Cr)	< 0,000005 %	≤ 0,000005
Cobalt (Co)	< 0,000002 %	≤ 0,000002
Copper (Cu)	< 0,000002 %	≤ 0,000002
Heavy metals (as Pb)	< 0,0002 %	≤ 0,0002
Iron (Fe)	< 0,00001 %	≤ 0,00001
Lead (Pb)	< 0,00001 %	≤ 0,00001
Magnesium (Mg)	< 0,00001 %	≤ 0,00001
Manganese (Mn)	< 0,000002 %	≤ 0,000002
Nickel (Ni)	< 0,000002 %	≤ 0,000002
Tin (Sn)	< 0,00001 %	≤ 0,00001
Zinc (Zn)	< 0,00001 %	≤ 0,00001
Substances darkened by H2SO4	passes test	passes test
Substances reducing KMnO4	passes test	passes test
Residue on evaporation	< 0,002 %	≤ 0,002

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