

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS**AC3001_24810501/1**

Product L(+)-Tartaric acid, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Batch 24810501

AC3001

Quality release date 16/05/2024

Expiry date 05/2029

Analysis	Batch value	Specifications
Assay (Acidimetric)	99,90 %	≥ 99,5
Assay (Acidimetric, on dried sample)	99,99 %	99,5 - 101,0
Identification	passes test	passes test
Appearance of solution	passes test	passes test
Insoluble in water	< 0,0050 %	≤ 0,005
specific rotation ($[\alpha]_{20}^{\circ}/D$; c = 20, H ₂ O on dried sample)	+12,40 °	+12,0 - +12,8
Chlorides (Cl)	< 5 ppm	≤ 5
Phosphates (as PO ₄)	< 0,001 %	≤ 0,001
Sulfates (SO ₄)	< 150 ppm	≤ 150
Calcium (Ca)	< 0,002 %	≤ 0,002
Copper (Cu)	< 5 ppm	≤ 5
Heavy metals (as Pb)	< 5 ppm	≤ 5
Iron (Fe)	< 5 ppm	≤ 5
Lead (Pb)	< 2 ppm	≤ 5
Oxalic acid (C ₂ H ₂ O ₄)	< 100 ppm	≤ 360
Oxalates (C ₂ O ₄)	passes test	passes test
Sulphur compounds (as SO ₄)	< 0,002 %	≤ 0,002
Residue on ignition (EP)	0,01 %	≤ 0,1
Residue on ignition (ISO)	0,01 %	≤ 0,01
Residue on ignition (ACS)	0,01 %	≤ 0,02
Loss on drying (105 °C)	0,20 %	≤ 0,2

For laboratory use only

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

Marta Martinez Casals
Laboratory Technician