

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC1760_21689501/1**

Product Perchloric acid, 70%, for analysis, ExpertQ®, ACS, ISO

Batch 21689501

AC1760

Quality release date 20/04/2021

Expiry date 04/2026

Analysis	Batch value	Specifications
Assay (Acidimetric)	69,59 %	69,0 - 72,0
Identity	passes test	passes test
Colour (Hazen)	2	≤ 10
Insoluble in C ₂ H ₅ OH	< 0,001 %	≤ 0,001
Free chlorine (as Cl)	< 0,00005 %	≤ 0,00005
Total nitrogen (as N)	< 0,001 %	≤ 0,001
Chlorates (ClO ₃)	< 0,001 %	≤ 0,001
Chlorides (Cl)	< 0,0003 %	≤ 0,0003
Phosphates and silicates (as SiO ₂)	< 0,0005 %	≤ 0,0005
Sulfates (SO ₄)	< 0,001 %	≤ 0,001
Aluminium (Al)	< 0,05 ppm	≤ 0,05
Arsenic (As)	< 0,05 ppm	≤ 0,05
Barium (Ba)	< 0,02 ppm	≤ 0,02
Beryllium (Be)	< 0,02 ppm	≤ 0,02
Bismuth (Bi)	< 0,1 ppm	≤ 0,1
Cadmium (Cd)	< 0,05 ppm	≤ 0,05
Calcium (Ca)	< 0,5 ppm	≤ 0,5
Cobalt (Co)	< 0,05 ppm	≤ 0,05
Copper (Cu)	< 0,1 ppm	≤ 0,1
Germanium (Ge)	< 0,05 ppm	≤ 0,05
Heavy metals (as Pb)	< 1 ppm	≤ 1
Iron (Fe)	< 1 ppm	≤ 1
Lead (Pb)	< 0,05 ppm	≤ 0,05
Lithium (Li)	< 0,02 ppm	≤ 0,02
Magnesium (Mg)	< 0,5 ppm	≤ 0,5
Manganese (Mn)	< 0,02 ppm	≤ 0,02
Molybdenum (Mo)	< 0,05 ppm	≤ 0,05
Nickel (Ni)	< 0,1 ppm	≤ 0,1
Potassium (K)	< 0,1 ppm	≤ 0,1
Silver (Ag)	< 0,1 ppm	≤ 0,1
Sodium (Na)	< 0,5 ppm	≤ 0,5
Strontium (Sr)	< 0,02 ppm	≤ 0,02
Thallium (Tl)	< 0,05 ppm	≤ 0,05
Titanium (Ti)	< 0,1 ppm	≤ 0,1
Vanadium (V)	< 0,05 ppm	≤ 0,05
Zinc (Zn)	< 0,1 ppm	≤ 0,1
Zirconium (Zr)	< 0,1 ppm	≤ 0,1
Residue on ignition (as SO ₄)	0,0003 %	≤ 0,003

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

Ricard Balladares Abella
Laboratory Technician



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Ricard Balladares Abella
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A handwritten signature in black ink, appearing to read "Ricard Balladares Abella".