

**Scharlab S.L.**

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC0741_25113409/1**

Product	Hydrochloric acid, 37%, for analysis, ExpertQ®, ACS, ISO, Reag. Ph	Batch	25113409
	Eur	Quality release date	12/09/2024
AC0741		Expiry date	09/2029

Analysis	Batch value	Specifications
Assay (Acidimetric)	37,05 %	36,5 - 38,0
Identification A (EP)	passes test	passes test
Identification chlorides	passes test	passes test
Appearance of solution	clear and colourless	clear and colourless
Colour (Hazen)	3	≤ 10
Bromides (Br)	< 50 ppm	≤ 50
Phosphates (as PO ₄)	< 0,5 ppm	≤ 0,5
Sulfates (SO ₄)	< 1 ppm	≤ 1
Sulfites (SO ₃)	< 0,5 ppm	≤ 0,5
Free chlorine (as Cl)	< 1 ppm	≤ 1
Aluminium (Al)	< 0,05 ppm	≤ 0,05
Ammonium (NH ₄)	< 1 ppm	≤ 1
Arsenic (As)	< 0,01 ppm	≤ 0,01
Barium (Ba)	< 0,01 ppm	≤ 0,01
Beryllium (Be)	< 0,01 ppm	≤ 0,01
Bismuth (Bi)	< 0,05 ppm	≤ 0,05
Boron (B)	< 0,1 ppm	≤ 0,1
Cadmium (Cd)	< 0,01 ppm	≤ 0,01
Calcium (Ca)	< 0,3 ppm	≤ 0,3
Chromium (Cr)	< 0,01 ppm	≤ 0,01
Cobalt (Co)	< 0,01 ppm	≤ 0,01
Copper (Cu)	< 0,01 ppm	≤ 0,01
Gallium (Ga)	< 0,05 ppm	≤ 0,05
Germanium (Ge)	< 0,02 ppm	≤ 0,02
Gold (Au)	< 0,05 ppm	≤ 0,05
Heavy metals	< 1 ppm	≤ 1
Iron (Fe)	< 0,1 ppm	≤ 0,1
Lead (Pb)	< 0,01 ppm	≤ 0,01
Lithium (Li)	< 0,01 ppm	≤ 0,01
Magnesium (Mg)	< 0,05 ppm	≤ 0,05
Manganese (Mn)	< 0,01 ppm	≤ 0,01
Mercury (Hg)	< 0,01 ppm	≤ 0,01
Molybdenum (Mo)	< 0,01 ppm	≤ 0,01
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Platinum (Pt) ppm	< 0,1 ppm	≤ 0,1
Potassium (K)	< 0,1 ppm	≤ 0,1
Silver (Ag)	< 0,02 ppm	≤ 0,02
Sodium (Na)	< 0,3 ppm	≤ 0,3
Strontium (Sr)	< 0,01 ppm	≤ 0,01
Thallium (Tl)	< 0,02 ppm	≤ 0,02

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 Martínez Casals
Laboratory Technician

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Analysis	Batch value	Specifications
Tin (Sn)	< 0,2 ppm	≤ 0,2
Titanium (Ti)	< 0,02 ppm	≤ 0,02
Vanadium (V)	< 0,01 ppm	≤ 0,01
Zinc (Zn)	< 0,1 ppm	≤ 0,1
Zirconium (Zr)	< 0,02 ppm	≤ 0,02
Residue on ignition	< 3 ppm	≤ 3
Residue on evaporation	0,0003 %	≤ 0,001
Extractable organic substances	passes test	passes test

For laboratory use only

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Marta Martínez Casals
Laboratory Technician