

**Scharlab S.L.**

Crtra.Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

CERTIFICATE OF ANALYSIS**AC0741_24306909/1**

Product	Hydrochloric acid, 37%, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur	Batch	24306909
		Quality release date	17/11/2023
		Expiry date	11/2028

AC0741

Analysis	Batch value	Specifications
Assay (Acidimetric)	36,84 %	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)	2	≤ 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)	< 0,026 ppm	≤ 0,05
Ammonium (NH ₄)	< 1 ppm	≤ 1
Arsenic (As)	< 0,01 ppm	≤ 0,01
Barium (Ba)	< 0,002 ppm	≤ 0,01
Beryllium (Be)	< 0,001 ppm	≤ 0,01
Bismuth (Bi)	< 0,022 ppm	≤ 0,05
Boron (B)	< 0,1 ppm	≤ 0,1
Cadmium (Cd)	< 0,008 ppm	≤ 0,01
Calcium (Ca)	0,3 ppm	≤ 0,3
Chromium (Cr)	< 0,003 ppm	≤ 0,01
Cobalt (Co)	< 0,003 ppm	≤ 0,01
Copper (Cu)	< 0,005 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)	< 0,007 ppm	≤ 0,01
Magnesium (Mg)	< 0,007 ppm	≤ 0,05
Manganese (Mn)	< 0,007 ppm	≤ 0,01
Mercury (Hg)	< 0,01 ppm	≤ 0,01
Molybdenum (Mo)	< 0,008 ppm	≤ 0,01
Nickel (Ni)	< 0,018 ppm	≤ 0,02
Platinum (Pt) ppm	< 0,1 ppm	≤ 0,1
Potassium (K)	< 0,061 ppm	≤ 0,1
Silver (Ag)	< 0,02 ppm	≤ 0,02
Sodium (Na)	< 0,002 ppm	≤ 0,3
Strontium (Sr)	< 0,001 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.comMarta Martinez Casals
Laboratory Technician

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	Eur	Quality release date	17/11/2023
AC0741		Expiry date	11/2028

Analysis	Batch value	Specifications
Tin (Sn)	< 0,2 ppm	≤ 0,2
Titanium (Ti)	< 0,004 ppm	≤ 0,02
Vanadium (V)	< 0,005 ppm	≤ 0,01
Zinc (Zn)	< 0,023 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 Martinez Casals
Laboratory Technician