

**Scharlab S.L.**

Crtra. Polinya a Sentmenat, Km 8,2

08181 Sentmenat

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✉ helpdesk@scharlab.com

**CERTIFICATE OF ANALYSIS****AC0741\_25031409/1**

|         |                                                                           |                      |            |
|---------|---------------------------------------------------------------------------|----------------------|------------|
| Product | Hydrochloric acid, 37%, for analysis, ExpertQ®, ACS, ISO, Reag. Ph<br>Eur | Batch                | 25031409   |
|         |                                                                           | Quality release date | 26/07/2024 |
|         |                                                                           | Expiry date          | 07/2029    |

**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 <sub>4</sub> ) | < 0,5 ppm            | ≤ 0,5                |
| Sulfates (SO <sub>4</sub> )      | < 1 ppm              | ≤ 1                  |
| Sulfites (SO <sub>3</sub> )      | < 0,5 ppm            | ≤ 0,5                |
| Free chlorine (as Cl)            | < 1 ppm              | ≤ 1                  |
| Aluminium (Al)                   | < 0,05 ppm           | ≤ 0,05               |
| Ammonium (NH <sub>4</sub> )      | < 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](http://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 Martinez Casals  
Laboratory Technician