

**Scharlab S.L.**

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**CERTIFICATE OF ANALYSIS****PO0275\_21140802/1**Product Potassium hydroxide, pellets, for analysis, ExpertQ®, ACS, ISO,  
Reag. Ph Eur

Batch 21140802

Quality release date 24/09/2020

Expiry date 09/2025

**PO0275**

| Analysis                                        | Batch value | Specifications |
|-------------------------------------------------|-------------|----------------|
| Assay (Acidimetric)                             | 85,53 %     | 85,0 - 100,5   |
| Identity                                        | passes test | passes test    |
| Appearance of solution                          | passes test | passes test    |
| Carbonates (as K <sub>2</sub> CO <sub>3</sub> ) | 0,31 %      | ≤ 1,0          |
| Chlorides (Cl)                                  | < 0,0005 %  | ≤ 0,0005       |
| Phosphates (as PO <sub>4</sub> )                | < 0,0005 %  | ≤ 0,0005       |
| Silicates (SiO <sub>2</sub> )                   | < 0,002 %   | ≤ 0,002        |
| Sulfates (SO <sub>4</sub> )                     | < 0,0005 %  | ≤ 0,0005       |
| Total nitrogen (as N)                           | < 0,0003 %  | ≤ 0,0003       |
| Aluminium (Al)                                  | < 0,2 ppm   | ≤ 2            |
| Cadmium (Cd)                                    | < 0,1 ppm   | ≤ 0,1          |
| Calcium (Ca)                                    | < 1,46 ppm  | ≤ 5            |
| Copper (Cu)                                     | < 0,15 ppm  | ≤ 1            |
| Heavy metals                                    | < 0,001 %   | ≤ 0,001        |
| Iron (Fe)                                       | < 3,16 ppm  | ≤ 5            |
| Lead (Pb)                                       | < 0,75 ppm  | ≤ 1            |
| Magnesium (Mg)                                  | < 0,06 ppm  | ≤ 5            |
| Manganese (Mn)                                  | < 0,08 ppm  | ≤ 0,5          |
| Nickel (Ni)                                     | < 0,85 ppm  | ≤ 1            |
| Sodium (Na)                                     | < 0,05 %    | ≤ 0,05         |
| Zinc (Zn)                                       | < 1 ppm     | ≤ 1            |

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](http://www.scharlab.com)

Ricard Balladares Abella  
Laboratory Technician