

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS**PO0410_24475102/1**

Product Potassium iodide, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Batch 24475102

PO0410

Quality release date 24/01/2024

Expiry date 01/2031

Analysis	Batch value	Specifications
Assay (Argentometric)	99,98 %	≥ 99,5
Assay (Titrimetric)	99,95 %	≥ 99,0
Assay (Titrimetric referred to dried sample) General Calculation	100,07 %	99,0 - 100,5
Identification iodides	passes test	passes test
Identification potassium	passes test	passes test
Appearance of solution	passes test	passes test
Insoluble in water	< 0,0050 %	≤ 0,005
pH (5 %, H ₂ O)	6,00	6,0 - 8,0
Alkalinity	passes test	passes test
Chlorides and bromides (as Cl) ppm	< 100 ppm	≤ 100
Iodates (IO ₃)	< 3 ppm	≤ 3
Iodates (IO ₃)	passes test	passes test
Iodates (IO ₃) and iodine (I) (as IO ₃)	< 3 ppm	≤ 3
Phosphates (PO ₄)	< 10 ppm	≤ 10
Sulfates (SO ₄)	< 50 ppm	≤ 50
Thiosulfates (S ₂ O ₃)	passes test	passes test
Total nitrogen (as N)	< 0,001 %	≤ 0,001
Arsenic (As)	0,01 ppm	≤ 0,1
Barium (Ba)	< 0,01 ppm	≤ 20
Calcium (Ca)	0,46 ppm	≤ 10
Heavy metals (as Pb)	< 5 ppm	≤ 5
Iron (Fe)	0,02 ppm	≤ 3
Magnesium (Mg)	< 0,01 ppm	≤ 10
Sodium (Na)	3,07 ppm	≤ 50
Reducing substances	passes test	passes test
Loss on drying (105 °C, 3 h)	0,12 %	≤ 1,0
Loss on drying (150 °C, 6 h)	0,16 %	≤ 0,2

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

Marta Martínez Casals
Laboratory Technician