

CERTIFICATE OF ANALYSIS

PO0410_25724002/1

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

Batch 25724002

PO0410

Quality release date 08/04/2025

Expiry date 04/2032

Analysis	Batch value	Specifications
Assay (Argentometric)	99,93 %	≥ 99,5
Assay (Titrimetric)	100,01 %	≥ 99,0
Assay (Titrimetric referred to dried sample) General Calculation	100,02 %	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)	6,19	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)	< 0,02 ppm	≤ 20
Calcium (Ca)	< 0,49 ppm	≤ 10
Heavy metals (as Pb)	< 5 ppm	≤ 5
Iron (Fe)	0,02 ppm	≤ 3
Magnesium (Mg)	< 0,01 ppm	≤ 10
Sodium (Na)	2,64 ppm	≤ 50
Reducing substances	passes test	passes test
Loss on drying (105 °C, 3 h)	0,02 %	≤ 1,0
Loss on drying (150 °C, 6 h)	0,06 %	≤ 0,2

For laboratory use only