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CERTIFICATE OF ANALYSIS**AM0273_23992802/1**

Product	Ammonium chloride, for analysis, ExpertQ®, ACS, ISO, Reag. Ph	Batch	23992802
	Eur	Quality release date	13/07/2023
AM0273		Expiry date	07/2028

Analysis	Batch value	Specifications
Assay (Argentometric)	100,21 %	≥ 99,5
Assay (Acidimetric, on dried sample)	100,29 %	99,5 - 100,5
Identity (IR-Spectrum)	passes test	passes test
Appearance of solution	clear and colourless	clear and colourless
Insoluble matter	< 0,0050 %	≤ 0,005
pH (5 %, H ₂ O)	5,31	4,5 - 5,5
Acidity or alkalinity	passes test	passes test
Bromides and iodides	passes test	passes test
Phosphates (as PO ₄)	< 2 ppm	≤ 2
Sulfates (SO ₄)	< 0,0020 %	≤ 0,002
Calcium (Ca)	< 5 ppm	≤ 5
Copper (Cu)	< 2 ppm	≤ 2
Heavy metals	< 5 ppm	≤ 5
Iron (Fe)	0,6 ppm	≤ 2
Lead (Pb)	< 1 ppm	≤ 1
Magnesium (Mg)	< 5 ppm	≤ 5
Nickel (Ni)	< 1 ppm	≤ 1
Potassium (K)	< 0,005 %	≤ 0,005
Sodium (Na)	< 0,005 %	≤ 0,005
Zinc (Zn)	< 2 ppm	≤ 2
Residue on ignition	< 0,01 %	≤ 1,0
Residue on ignition (800 °C)	< 0,01 %	≤ 0,01
Loss on drying (105 °C, 2h)	0,08 %	≤ 1,0

For laboratory use only