

Technical Datasheet

Article No. 1648

Potassium dihydrogen phosphate p. a., ACS, ISO, Ph. Eur. (min. 99.5 %)

KH₂PO₄

For laboratory use.

Parameter	Value
Appearance	White powder
Density	2.34 g/cm ³
Molar mass	136.09 g/mol
Melting point	~253 °C (decomposition)
CAS-No.	7778-77-0
Loss on drying (110 °C)	max. 0.1 %
Arsenic (As)	max. 0.00005 %
Iron (Fe)	max. 0.001 %
Sodium (Na)	max. 0.005 %
Chloride (Cl)	max. 0.0005 %
Sulphate (SO ₄)	max. 0.003 %
Nitrogen (N)	max. 0.001 %
Cadmium (Cd)	max. 0.0005 %
Copper (Cu)	max. 0.0003 %
Chromium (Cr)	max. 0.0002 %
Nickel (Ni)	max. 0.0001 %
Heavy metals (as Pb)	max. 0.001 %
pH (5 %, 25 °C)	4.2 – 4.5
Insoluble matter	max. 0.01 %
Residual solvents (Ph. Eur./ICH)	not existent
Identity	complies
Appearance of solution	complies
Reducing substances	complies