

neoFroxx GmbH

Marie-Curie-Str. 3
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Specification

Product	Potassium dihydrogen phosphate pure EP (pharma grade)
Brand	Labochem

Product number	LC-4508
Synonym(s)	prim.-Potassium phosphate, Potassium phosphate mono-basic
Formula	KH_2PO_4
Molecular weight	136.09 g/mol
CAS number	7778-77-0
Storage	below 25°C
Retest period (months)	60

*** research use only ***

We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP)

Parameter	Specification
Assay (alkalim., calc. on dried subst.)	98.0 - 100.5 %
Assay (alkalim.; dried subst.)	min. 99.0 %
Appearance of solution	passes test
Identity	passes test
Insoluble substances	max. 0.2 %
pH (1 % in water)	4.2 - 4.8
pH (2 % in water)	4.2 - 4.6
pH (5 % in water)	4.2 - 4.5
Carbonate	passes test
Condensed phosphate	passes test
Chloride (Cl)	max. 0.009 %
Fluoride (F)	max. 0.001 %
Sulfate (SO_4)	max. 0.017 %
Heavy metals (as Pb)	max. 0.001 %
Al	max. 0.0005 %
As	max. 0.0001 %
Cd	max. 0.0001 %
Fe	max. 0.001 %
Hg	max. 0.0001 %
Na	max. 0.1 %
Pb	max. 0.0001 %
Pb	excluded by production process
Residual solvents (ICH Q3C)	passes test
Loss on drying (105°C)	max. 0.5 %

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Specification

Parameter	Specification
Loss on drying (130°C)	max. 1.0 %

Einhausen, 26.08.2021