



Specification

1.04871.0000 Potassium dihydrogen phosphate cryst., EMPROVE® ESSENTIAL Ph Eur, BP,ChP,JPC,NF,E 340

Spec. Values		
Assay (alkalimetric, calculated on dried substance)	99.0 - 100.5	%
Assay (alkalimetric; dried substance)	99.0 - 100.5	%
Identity	passes test	
Appearance of solution	passes test	
Insoluble substances	≤ 0.2	%
pH-value (1 %; water)	4.2 - 4.8	
pH-value (2 %; water)	4.2 - 4.6	
pH-value (5 %; water)	4.2 - 4.5	
Carbonate	passes test	
Condensed phosphate	passes test	
Chloride (Cl)	≤ 0.001	%
Fluoride (F)	≤ 0.0010	%
Sulfate (SO ₄)	≤ 0.003	%
Al (Aluminium)	≤ 0.0005	%
As (Arsenic)	≤ 0.0001	%
Cd (Cadmium)	≤ 0.0001	%
Fe (Iron)	≤ 0.0010	%
Hg (Mercury)	≤ 0.0001	%
Na (Sodium)	≤ 0.1	%
Na (Sodium)	passes test	
Pb (Lead)	≤ 0.0001	%
Sb (Antimony) (*)	≤ 0.0009	%
Heavy metals (as Pb)	≤ 0.0005	%
Residual solvents (ICH Q3C)	excluded by manufacturing process	
Reducing substances	passes test	
Reducing substances (ChP)	passes test	
Loss on Drying (105 °C)	≤ 0.2	%
Loss on drying (130 °C)	≤ 1.0	%

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities).
Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).
Conforms to the purity criteria on food additives according to the current European Commission Regulation.
Corresponds to Ph Eur, BP, ChP, JPC, NF, E 340

The original manufacturer name and address will be disclosed subsequent to signing a confidentiality agreement.

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Kristin Starke

Responsible laboratory manager quality control

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