



# Specification

1.05151.0000 Potassium sulfate powder EMPROVE® ESSENTIAL Ph Eur,BP,JP,E 515

Spec. Values		
Assay (alkalimetric)	≥ 99.0	%
Assay (alkalimetric, calculated on dried substance)	99.0 - 101.0	%
Identity	passes test	
Appearance of solution	passes test	
Acidity or alkalinity	passes test	
pH-value (5 %; water)	5.5 - 8.5	
Chloride (Cl)	≤ 0.0040	%
As (Arsenic)	≤ 0.0002	%
Ca (Calcium)	≤ 0.0200	%
Fe (Iron)	≤ 0.0010	%
Hg (Mercury)	≤ 0.0001	%
Mg (Magnesium)	≤ 0.0020	%
Na (Sodium)	≤ 0.01	%
Na (Sodium)	passes test	
Pb (Lead)	≤ 0.0002	%
Se (Selenium)	≤ 0.0030	%
Residual solvents (ICH Q3C)	excluded by manufacturing process	
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 (\*).

Corresponds to Ph Eur, BP, JP, E515

Conforms to the purity criteria on food additives according to the current European Commission Regulation.

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

Kristin Starke

Responsible laboratory manager quality control

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