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Product Specification

Product Name:
Potassium chloride - ACS reagent, 99.0-100.5%

Product Number: P3911
CAS Number: 7447-40-7
MDL: MFCD00011360
Formula: KCl
Formula Weight: 74.55 g/mol

KCl

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Assay	99.0 - 100.5 %
Expressed in % KCl	
Insoluble matter	≤ 0.005 %
pH	5.4 - 8.6
5% solution, at 25 deg C	
Iodide	≤ 0.002 %
Bromide	≤ 0.01 %
Chlorate and Nitrate (as NO ₃)	≤ 0.003 %
Phosphate	≤ 5 ppm
Barium	Pass
Limit about 0.001%	
Calcium (Ca)	≤ 0.002 %
Magnesium (Mg)	≤ 0.001 %
Heavy Metals (as Lead)	≤ 5 ppm
Iron (Fe)	≤ 3 ppm
Sodium (Na)	≤ 0.005 %
Sulfate (SO ₄)	≤ 0.001 %
Meets ACS Requirements	-----
Recommended Retest Period	-----
3 Years	

Specification: PRD.3.ZQ5.10000009107

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.