

Product Specification

Product Name : Potassium chloride ACS reagent, 99.0-100.5%
Product Number: P3911
CAS Number: 7447-40-7
Molecular Formula: ClK
Formula Weight: 74.55

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 (PO ₄)	≤ 5ppm
Barium	Pass
Limit about 0.001%	
Calcium (Ca)	≤ 0.002%
Magnesium (Mg)	≤ 0.001%
Heavy Metals	≤ 5 ppm
by ICP-OES	
Iron (Fe)	≤ 3ppm
Sodium (Na)	≤ 0.005%

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.

Version Number: PRP.00.ZQ5.1113734

Page 1 of 2

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Product Name: Potassium chloride

Product Number: P3911-BULK

Test	Specification
Sulfate (SO ₄)	≤ 0.001%
Meets ACS Requirements	-----
Recommended Retest Period 3 Years	-----

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Page 2 of 2

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