



Certificate of Analysis

Product Name: Potassium Chloride
 Grade: ACS grade, crystals
 Chemical Formula: KCl
 Formula Weight: 74.55

Product Code: CP-M1879D
 Lot #2017020669
 CAS# 7447-40-7
 Density: 1.984 g/mL

Analytical Results		
Item	Specifications	Analysis
Assay (KCl)	99.0 – 100.5%	99.4%
Identification	To Pass Test	Passes Test
Heavy metals (as Pb)	Max. 5 ppm	< 5 ppm
Insoluble Matter	Max. 50ppm	30 ppm
pH of 5% solution at 25°C	5.4 – 8.6	6.0
Iodide (I)	Max. 20ppm	< 20 ppm
Iron (Fe)	Max. 3 ppm	< 3 ppm
Magnesium (Mg)	Max. 10 ppm	5 ppm
Chlorate and Nitrate (as NO ₃)	Max. 30 ppm	< 30 ppm
Phosphate (PO ₄)	Max. 5 ppm	< 5 ppm
Sodium (Na)	Max. 50 ppm	30 ppm
Sulfate (SO ₄)	Max. 10 ppm	< 10 ppm
Barium (Ba)	To pass test	Passes Test
Bromide (Br)	Max. 100 ppm	< 100 ppm
Calcium (Ca)	Max. 20 ppm	7 ppm
Manufacturing Date		12/20/2016

M= 2.5Kg

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