



Certificate of Analysis

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

Product Code: CP-M1879D
Lot #2016111626
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 | 1 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 | 20 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 | 2 ppm |
| Manufacturing Date | | 07/26/2016 |

A= 2.5Kg

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