Product Specification

Product Name: POTASSIUM CHLORIDE AR

Alternate Name(s)

Description
Colourless or white crystals; strong saline taste.

Properties

Chemical Formula:

Molecular Weight: 74.55

General Information:

Potassium chloride sublimes at 1500°C. Non combustible, low toxicity. Soluble in water; slightly soluble in alcohol; insoluble in absolute alcohol.

Quality Specification

Assay: 99.0 to 100.5%

Specific Properties and Impurities [Typical levels]:

Specific Gravity 1.987
Melting point 772°C
pH of 5% solution @ 25°C 5.4 - 8.6
Insoluble matter ≤ 0.005%
Barium (Ba) Passes test
Bromide (Br) ≤ 0.01%
Iodide (I) ≤ 0.002%
Heavy metals (as Pb) ≤ 0.0005%
Iron (Fe) ≤ 0.0003%
Calcium (Ca) ≤ 0.002%
Sodium (Na) ≤ 0.005%
Sulfate (SO4) ≤ 0.001%
Phosphate (PO4) ≤ 0.0005%
Chloride and Nitrate (as NO3) ≤ 0.003%
Magnesium (Mg) ≤ 0.001%

CONFORMS TO ACS

Product Code: PA054
CAS No. 7447-40-7

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CH58
Poison schedule: Not Scheduled
Emergency Procedure Guide No.: N/A