

Product Specification

Product Name: POTASSIUM IODATE AR

Alternate Name(s)

Description

White crystalline powder; odourless. Substances which will produce highly flammable, and in some cases explosive, mixtures with combustible material.

Properties

Chemical Formula: KIO_3

Molecular Weight: 214.00

Product Code: PA078

CAS No. 7758-05-6

General Information:

Insoluble in alcohol. Soluble in dilute sulfuric acid. Incompatible with reducing agents, combustible material, aluminium, arsenic, carbon, copper, metal sulfides, phosphorus and sulfur. Harmful by ingestion.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1479
Hazchem code: 1Y
CS MSDS Code: 1CH5I
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 31

Quality Specification

Assay: 99.4-100.4%

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤ 0.005%
pH of a 5% solution (25.0°C)	5.0-8.0
Chloride and bromide (as Cl)	≤ 0.01%
Iodide (I)	≤ 0.001%
Sulfate (SO ₄)	≤ 0.005%
Nitrogen compounds (as N)	≤ 0.005%
Heavy metals (by ICP-OES)	≤ 0.0005%
Loss on drying (105°C, 3 h)	≤ 0.5%
Chlorate (as ClO ₃)	≤ 0.01%
Iron (Fe)	≤ 0.001%
Sodium (Na)	≤ 0.005%

CONFORMS TO ACS

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