



Product Specification

Product Name: POTASSIUM FERROCYANIDE Trihydrate AR

Alternate Name(s) Potassium hexacyanoferrate(II) trihydrate; yellow prussiate of potash;
Description potassium iron (II) cyanide.
Lemon-yellow crystals or powder; mild saline taste. Loses its water of crystallization when heated to 70 °C.

Properties

Chemical Formula: $K_4Fe(CN)_6 \cdot 3H_2O$
Molecular Weight: 422.39

Product Code: PA039
CAS No. 14459-95-1

General Information:

Insoluble in alcohol. Incompatible with acids, ammonia, cupric nitrate and at high temperature with chromium trioxide and sodium nitrite. Non combustible material.

Quality Specification

Assay: 98.5% min.

Specific Properties and Impurities [Typical levels]:

Solubility in Water (@ 12 °C)	270 g/L
Specific Gravity (17 °C)	1.853
Melting Point	Becomes anhydrous @ 70 °C
Insoluble matter	≤ 0.005%
Chloride (Cl)	≤ 0.01%
Sulfate (SO ₄)	Passes test

Hazard and Safety Data

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH5D
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	N/A

CONFORMS TO ACS

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