

**Potassium hexacyanoferrate(II) trihydrate, for analysis, ExpertQ®,
ACS, ISO, Reag. Ph Eur****Identification**

$K_4[Fe(CN)_6] \cdot 3H_2O$
M = 422,39 g/mol
CAS [14459-95-1]
EC number: 237-722-2
Taric code: 2837 20 00

Synonyms

Potassium ferrocyanide, Yellow prussiate of potash, Ferrocyanpotassium

Applications

analytical chemistry, laboratory reagent, in food industry.

Specifications

assay (permanganometric).....	99 - 102 %	cadmium (Cd).....	max. 5 ppm
insoluble in water.....	max. 0,005 %	copper (Cu).....	max. 0,002 %
chlorides (Cl).....	max. 0,01 %	lead (Pb).....	max. 0,002 %
sulfates (SO ₄).....	max. 0,005 %	sodium (Na).....	max. 0,01 %

Physical data

- Appearance: crystals, yellow
- Spec. Density: 1,85 g/cm³ (anhydrous substance)
- Bulk density: ~ 950 -1050 kg/m³
- Solub. in water: (20 °C): 289 g/l
- Melting point: ~ 70 °C (release of crystalline water)
- pH(100 g/l H₂O, 20° C) ~ 9,5 (anhydrous substance)

Safety - GHS**Hazard Statements:**

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P273: Avoid release to the environment.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C