

Identification $K_3[Fe(CN)_6]$

M = 329,26 g/mol

CAS [13746-66-2]

EC number: 237-323-3

Taric code: 2837 20 00

Synonyms

Potassium ferricyanide, Ferricyanpotassium, Potassium cyanoferrate(III)

Applications

analytical chemistry, laboratory reagent, painting, photography, manufacture of dyes, oxidizing agent (synthesis of organic products).

Specifications

assay (iodometric).....	min. 99,0 %	copper (Cu).....	max. 0,005 %
insoluble in water.....	max. 0,005 %	lead (Pb).....	max. 0,002 %
chlorides (Cl).....	max. 0,01 %	nickel (Ni).....	max. 0,001 %
hexacyanoferrate (II) $[Fe(CN)_6]^{4-}$	max. 0,02 %	sodium (Na).....	max. 0,02 %
sulfates (SO ₄).....	max. 0,005 %	zinc (Zn).....	max. 5 ppm

Physical data

- Appearance: crystals, orange-red
- Spec. Density: 1,85 g/cm³
- Bulk density: ~ 900 -1000 kg/m³
- Solub. in water: (20 °C): 464 g/l
- pH(50 g/l H₂O, 20 °C) ~ 6

Transport/storage

- 10°C - 30°C