

Potassium sodium tartrate tetrahydrate, Pharmpur®, Ph Eur, BP, USP

Identification

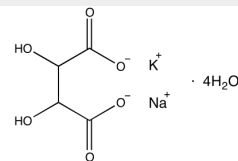
 $C_4H_4KNaO_6 \cdot 4H_2O$

M = 282,23 g/mol

CAS [6381-59-5]

EC number: 205-698-2

Taric code: 2918 13 00



Synonyms

Sodium potassium tartrate, Tartaric acid potassium sodium salt

Applications

analytical chemistry, laboratory reagent, in food industry, in fertilizer compositions, in the electronic industry, in pharma industry.

Specifications

assay (titration with $HClO_4$, on dried sample)..... 99,0 - 101,0 %
Identification A (USP).....passes test
Identification B (USP).....passes test
Identification tartrate.....passes test
Identification sodium.....passes test
Identification potassium.....passes test
appearance of solution.....clear and colourless

acidity or alkalinity.....passes test
alkalinitypasses test
specific rotation ($[a]_{20}^D$; c = 5, H_2O on dried sample) + 28,0 ° - + 30,0 °
chlorides (Cl).....max. 100 ppm
sulfates (SO_4).....max. 50 ppm
ammonium (NH_4).....max. 0,002 %
barium and oxalates.....passes test
calcium (Ca).....max. 200 ppm
water (K.F.).....24,0 - 26,5 %

Physical data

- Appearance: elongate crystals, colourless, up to 3mm
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 630 g/l
- Melting point: 70 - 80 °C
- pH(50 g/l H_2O , 20 °C) 6,5 - 8,5

Transport/storage

- 10°C - 30°C