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PO0353 Potassium sodium tartrate tetrahydrate, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (titration with HClO_4 , on dried sample) 99,0 - 101,0 %
 identification passes test
 appearance of solution clear and colourless
 acidity or alkalinity passes test
 alkalinity passes test
 specific rotation ($[\alpha]_{20}^D$; 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 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
PO03530500	500 g	P
PO03531000	1 kg	P
PO0353005P	5 kg	P
PO0353025P	25 kg	P

PO0355 Potassium sodium tartrate tetrahydrate, ExpertQ®, for analysis, ACS, ISO

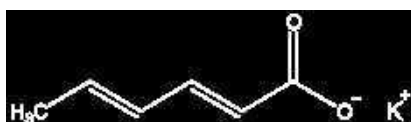
assay (titration with HClO_4) 99,0 - 102,0 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,005 %
 pH (5 %, H_2O) 6,5 - 8,5
 chlorides (Cl) max. 5 ppm
 phosphates (as PO_4) max. 0,001 %
 sulfates (SO_4) max. 0,005 %

ammonium (NH_4) max. 0,002 %
 calcium (Ca) max. 0,004 %
 copper (Cu) max. 5 ppm
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 5 ppm
 lead (Pb) max. 5 ppm

ART. NO.	VOLUME	CONTAINER
PO03550250	250 g	P
PO03550500	500 g	P
PO03551000	1 kg	P
PO0355005P	5 kg	P

POTASSIUM SORBATE

PO0360 Potassium sorbate, extra pure, Pharmpur®, Ph Eur, BP, NF



- Synonyms: Sorbic acid potassium salt
- $\text{C}_8\text{H}_7\text{KO}_2$
- $M = 150,22 \text{ g/mol}$
- CAS [24634-61-5]
- EINECS-No.: 246-376-1
- Solub. in water: (20 °C): soluble
- Melting point: ~ 270 °C (decomposes)
- LD 50 (oral, rat): 3800 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2916 19 95 90
- Applications: in food industry (E202), mold and yeast inhibitor, in pharma industry.

assay (acidimetric, on dried sample) 98 - 101 %
 identity (IR-spectrum) passes test
 appearance of solution passes test
 acidity or alkalinity passes test
 heavy metals (as Pb) max. 0,001 %
 aldehydes (as CH_3CHO) max. 0,15 %
 loss on drying (105 °C) max. 1 %
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013

ART. NO.	VOLUME	CONTAINER
PO03600500	500 g	P
PO03601000	1 kg	P
PO0360005P	5 kg	P
PO0360025P	25 kg	P

POTASSIUM SULFATE

- Synonyms: Sulfuric acid potassium salt
- K_2SO_4
- $M = 174,27 \text{ g/mol}$
- CAS [7778-80-5]
- EINECS-No.: 231-915-5

- Solub. in water: (20 °C): 110 g/l
- Melting point: 1069 °C
- Boiling point: 1689 °C
- LD 50 (oral, rat): 6600 mg/kg
- Tariff number: 3104 30 00 00

- Applications: analytical chemistry, laboratory reagent, for determination of nitrogen (Kjeldahl), in fertilizer compositions, manufacture of glass.

PO0363 Potassium sulfate, extra pure, Pharmpur®, Ph Eur, BP

assay (acidimetric, referred to dried sample) 98,5 - 101,0 %
 identification passes test
 appearance of solution clear and colourless
 acidity or alkalinity passes test
 chlorides (Cl) max. 40 ppm
 calcium (Ca) max. 200 ppm
 iron (Fe) max. 10 ppm

magnesium (Mg) max. 20 ppm
 sodium (Na) max. 0,10 %
 loss on drying (130 °C) max. 1,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
PO03630500	500 g	P
PO03631000	1 kg	P
PO0363005P	5 kg	P
PO0363025P	25 kg	P

PO0365 Potassium sulfate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

assay (acidimetric) min. 99,0 %
 identity (IR-spectrum) passes test
 insoluble in water max. 0,01 %
 pH (5 %, H_2O) 5,5 - 8,0
 chlorides (Cl) max. 5 ppm
 total nitrogen (as N) max. 5 ppm
 arsenic (As) max. 2 ppm

calcium (Ca) max. 0,005 %
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 5 ppm
 magnesium (Mg) max. 0,002 %
 sodium (Na) max. 0,02 %

ART. NO.	VOLUME	CONTAINER
PO03650250	250 g	P
PO03650500	500 g	P
PO03651000	1 kg	P
PO0365005P	5 kg	P