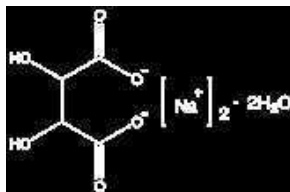






## DI-SODIUM TARTRATE DIHYDRATE

SO0700 di-Sodium tartrate dihydrate, ExpertQ®, for analysis, ACS



- Synonyms: Tartaric acid sodium salt dihydrate
- $C_4H_4Na_2O_6 \cdot 2H_2O$
- M = 230,08 g/mol
- CAS [6106-24-7]
- EINECS-No.: 212-773-3
- Solub. in water: (20 °C): 290 g/l
- Melting point: 154 °C
- LD 50 (oral, rat): 1290 mg/kg
- Tariff number: 2918 13 00 90
- Applications: analytical chemistry, laboratory reagent.

assay (titration with  $HClO_4$ ) . . . . . 99,5 - 101,0 %  
 insoluble in water . . . . . max. 0,005 %  
 pH (5 %,  $H_2O$ ) . . . . . 7,0 - 8,0  
 chlorides (Cl) . . . . . max. 0,0005 %  
 phosphates (as  $PO_4$ ) . . . . . max. 0,0005 %  
 sulfates ( $SO_4$ ) . . . . . max. 0,002 %  
 total nitrogen (as N) . . . . . max. 0,002 %  
 ammonium ( $NH_4$ ) . . . . . max. 0,003 %  
 calcium (Ca) . . . . . max. 0,005 %  
 heavy metals (as Pb) . . . . . max. 5 ppm  
 iron (Fe) . . . . . max. 5 ppm  
 loss on drying (150 °C, min. 4h) . . . . . 15,61 - 15,71 %

ART. NO.	VOLUME	CONTAINER
SO07000250	250 g	
SO07000500	500 g	
SO07001000	1 kg	
SO0700005P	5 kg	

## DI-SODIUM TETRABORATE ANHYDROUS

SO0704 di-Sodium tetraborate anhydrous, EssentQ®



- Synonyms: Sodium baborate, Sodium borate, Borax
- $Na_2B_4O_7$
- M = 201,22 g/mol
- CAS [1330-43-4]
- EINECS-No.: 215-540-4
- Solub. in water: (20 °C): 25,6 g/l
- Melting point: 742 °C
- Boiling point: 1575 °C (decomposes)
- Vapour pressure: (1200 °C) 7,3 hPa
- LD 50 (oral, rat): 2660 mg/kg (decahydrate substance)
- GHS-signal word: Danger
- GHS-H sentences: H360FD
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2840 11 00 00
- Applications: in radiology applications, synthesis of organic products, cosmetics, for pharmaceutical use.

assay (acidimetric) . . . . . min. 98 %  
 insoluble in water . . . . . max. 0,05 %  
 chlorides (Cl) . . . . . max. 0,05 %  
 phosphates (as  $PO_4$ ) . . . . . max. 0,005 %  
 sulfates ( $SO_4$ ) . . . . . max. 0,05 %  
 calcium (Ca) . . . . . max. 0,02 %  
 copper (Cu) . . . . . max. 0,005 %  
 heavy metals (as Pb) . . . . . max. 0,005 %  
 iron (Fe) . . . . . max. 0,005 %  
 lead (Pb) . . . . . max. 0,005 %  
 magnesium (Mg) . . . . . max. 0,02 %  
 nickel (Ni) . . . . . max. 0,005 %  
 potassium (K) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
SO07041000	1 kg	
SO0704005P	5 kg	
SO0704025P	25 kg	

## DI-SODIUM TETRABORATE DECAHYDRATE

- Synonyms: Borax, Sodium baborate decahydrate, Sodium borate decahydrate
- $Na_2B_4O_7 \cdot 10H_2O$
- M = 381,37 g/mol
- CAS [1303-96-4]
- EINECS-No.: 215-540-4

- Solub. in water: (20 °C): 51,4 g/l
- Melting point: 75 °C
- Boiling point: 1575 °C (anhydrous)
- Vapour pressure: (20 °C) 0,213 hPa
- LD 50 (oral, rat): 2660 mg/kg
- GHS-signal word: Danger

- GHS-H sentences: H319 - H360FD
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2840 19 90 00
- Applications: reference material, for calibrating pH-meters, for pharmaceutical use.

SO0705 di-Sodium tetraborate decahydrate, extra pure, Phampur®, Ph Eur, BP, NF



assay (acidimetric) . . . . . 99,0 - 103,0 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 pH (4 %,  $H_2O$ ) . . . . . 9,0 - 9,6  
 carbonate, bicarbonate . . . . . passes test  
 sulfates ( $SO_4$ ) . . . . . max. 50 ppm  
 ammonium ( $NH_4$ ) . . . . . max. 10 ppm

arsenic (As) . . . . . max. 5 ppm  
 calcium (Ca) . . . . . max. 100 ppm  
 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
SO07050500	500 g	
SO07051000	1 kg	