



Specification

Concerning Product:	
Article number	1303964QPS
Trade name / designation / denomination	di-SODIUM TETRABORATE 10-HYDRATE EP/USP
CAS number	1303-96-4
Other names / synonyms	•BORAX; •Borax (B ₄ Na ₂ O ₇ ·10H ₂ O); •SODIUM BORATE, ACS; •Sodium Borate, Decahydrate, BiotechGrade; •Sodium Borate, Decahydrate, Crystal, Reagent, ACS; •Sodium Borate, Decahydrate, NF; •Sodium Borate, Decahydrate, Powder, Reagent, ACS; •Sodium tetraborate decahydrate; •Sodium tetraborate decahydrate, ACS, 99.5-105.;
EC number	603-411-9 215-540-4
EC index number	005-011-00-4, 005-011-02-9, 005-011-01-1
Customs tariff number / CN code / TARIC	28401990
Molecular weight [g / mol]	381.372
Formula	Na ₂ B ₄ O ₇ · 10H ₂ O
Danger	
May damage fertility or the unborn child . Avoid contact during pregnancy/while nursing. Wear protective gloves/protective clothing/eye protection/face protection. Dispose of contents/container in accordance with local/regional/(inter)national regulations.	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	passes test	
Physical parameter		
pH value	of a 4% solution 9,0 – 9,6	
Identity		
Assay	99,5 – 103,0	%
Identification	passes test	

Impurities		
Ammonium	≤ 0,001	%
Heavy Metals (as Pb)	≤ 0,002	%
Phosphate (PO4)	≤ 0,0005	%
Sulphates (SO4)	≤ 0,001	%
Residual Solvents		
Residual solvents	Excluded(by process)	
Elemental Impurities		
Arsenic (As)	≤ 0,0001	%
Carbon (C)	Carbonate and bicarbonate: passes test	
Calcium (Ca)	≤ 0,005	%
Chlorides (Cl)	≤ 0,0005	%
Iron (Fe)	≤ 0,0005	%

Supplemental information:

Shelf life: 60 month

Complies with monographie: Ph.Eur.11ED.,USP-NF 2022

Packing: box a 25 kg

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 26. Oct. 2023

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