

S | di-Sodium tetraborate decahydrate

di-Sodium tetraborate decahydrate AnalAR NORMAPUR® Reag. Ph. Eur. analytical reagent



Danger

CAS 1303-96-4

Na₂B₄O₇·10H₂O

Boiling Pt: 320 °C (1013 hPa)

Melting Pt: 75 °C

M.W. 381.37 g/mol

Density: 1,73 g/cm³ (20 °C)

Storage Temperature: Ambient

REACH: 01-2119490790-32

Assay	99.0 - 103.0 %	Appearance of solution	Passes test Ph.Eur.
CO ₃ (Carbonate)	Passes test	Identification A	Passes test Ph.Eur.
Identification B	Passes test Ph.Eur.	Identification C	Passes test Ph.Eur.
Solution 5	Passes test Ph.Eur.	pH (20°C; 4 %)	9.0 - 9.6
Heavy metals (as Pb)	Max. 5 ppm	Insolubility in water	Max. 50 ppm
Cl (Chloride)	Max. 5 ppm	NH ₄ (Ammonium)	Max. 10 ppm
PO ₄ (Phosphate)	Max. 10 ppm	SO ₄ (Sulphate)	Max. 20 ppm
As (Arsenic)	Max. 2 ppm	Ca (Calcium)	Max. 100 ppm
Fe (Iron)	Max. 5 ppm	Conforms to Reag. Ph.Eur.	Passes test

Cat. No.	Pk	Pack type
27727.231	250 g	Plastic bottle for solids
27727.297	1 kg	Plastic bottle for solids
27727.460	25 kg	Bucket (Plastic)

di-Sodium tetraborate decahydrate Ph. Eur.



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Storage Temperature: Ambient

REACH: 01-2119490790-32

Assay	99.0 - 103.0 %	Appearance	Conforms (see CoA/CoS)
Identification A	Passes test	Identification B	Passes test
Identification C	Passes test	Solution 5	Passes test
Appearance of solution	Passes test	pH (4 %)	9.0 - 9.6
SO ₄ (Sulphate)	Max. 50 ppm	NH ₄ (Ammonium)	Max. 10 ppm
As (Arsenic)	Max. 5 ppm	Ca (Calcium)	Max. 100 ppm
Heavy metals (as Pb)	Max. 25 ppm	Residual solvents	Passes test

Cat. No.	Pk	Pack type
83555.290	1 kg	Plastic bottle for solids
83555.460	25 kg	Bucket (Plastic)

di-Sodium tetraborate decahydrate, purified



Danger

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Na₂B₄O₇·10H₂O

Boiling Pt: 320 °C (1013 hPa)

Melting Pt: 75 °C

M.W. 381.37 g/mol

Density: 1,73 g/cm³ (20 °C)

Storage Temperature: Ambient

REACH: 01-2119490790-32

Assay	Min. 98 %
Heavy metals (as Pb)	Max. 20 ppm
Fe (Iron)	Max. 20 ppm

Cat. No.	Pk	Pack type
27721.366	5 kg	Bucket (Plastic)

di-Sodium tetraborate decahydrate, powder TECHNICAL



Danger

CAS 1303-96-4

Na₂B₄O₇·10H₂O

Boiling Pt: 320 °C (1013 hPa)

Melting Pt: 75 °C

M.W. 381.37 g/mol

Density: 1,73 g/cm³ (20 °C)

Storage Temperature: Ambient

REACH: 01-2119490790-32

Assay	Min. 97 %
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Cat. No.	Pk	Pack type
27705.361	5 kg	Bucket (Plastic)
27705.460	25 kg	Bucket (Plastic)

Sodium tetrachloroaurate dihydrate TECHNICAL



Warning

CAS 13874-02-7

NaAuCl₄·2H₂O

Identification

UN: 3260

M.W. 397.8 g/mol

Passes test

Cat. No.	Pk	Pack type
26069.081	1 g	Glass bottle
26069.126	10 g	Glass bottle

Sodium tetrahydridoborate

See Sodium tetrahydroborate p.436

Sodium tetrahydroborate TECHNICAL



Danger

CAS 16940-66-2

NaBH₄

UN: 1426

M.W. 37.83 g/mol

Melting Pt: 400 °C

Density: 1,07 g/cm³ (20 °C)

Storage Temperature: Ambient

Identification Passes test

Cat. No.	Pk	Pack type
27885.134	25 g	Plastic bottle for solids

Sodium tetraphenylborate analytical reagent



Danger

CAS 143-66-8

(C₆H₅)₄BNa

UN: 2811

M.W. 342.22 g/mol

Melting Pt: > 400 °C

Density: 1,15 g/cm³ (20 °C)

Storage Temperature: Ambient

Assay	Min. 99.5 %
Loss on drying (100°C)	Max. 0.5 %

Cat. No.	Pk	Pack type
28187.138	25 g	Plastic bottle for solids

Sodium thiosulphate, anhydrous GPR RECTAPUR®

CAS 7772-98-7

Na₂S₂O₃

Boiling Pt: 100 °C (1013 hPa)

Melting Pt: 48 °C

M.W. 158.11 g/mol

Density: 1,66 g/cm³ (20 °C)

Storage Temperature: Ambient

Assay	Min. 98 %
pH (20°C; 5 %)	6.0 - 8.5
S (Sulphide)	Max. 50 ppm
Ca (Calcium)	Max. 50 ppm
Cd (Cadmium)	Max. 50 ppm
Co (Cobalt)	Max. 50 ppm
Cu (Copper)	Max. 50 ppm
Fe (Iron)	Max. 50 ppm
K (Potassium)	Max. 100 ppm
Ni (Nickel)	Max. 50 ppm
Pb (Lead)	Max. 50 ppm
Zn (Zinc)	Max. 50 ppm

Cat. No.	Pk	Pack type
84852.230	250 g	Plastic bottle for solids
84852.290	1 kg	Plastic bottle for solids

Material	27727.297
Material description	di-Sodium tetraborate decahydrate
Grade	AnalaR NORMAPUR Reag. Ph.Eur.
CAS Number	1303-96-4
Molecular formula	$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$
Molecular mass	381.37

Characteristics	Specifications
Assay	99.0 - 103.0 %
Appearance of solution	Passes test Ph.Eur.
CO_3 (Carbonate)	Passes test
Identification A	Passes test Ph.Eur.
Identification B	Passes test Ph.Eur.
Identification C	Passes test Ph.Eur.
pH (20°C; 4 %)	9.0 - 9.6
Heavy metals (as Pb)	≤ 5 ppm
Insolubility in water	≤ 50 ppm
Cl (Chloride)	≤ 5 ppm
NH_4 (Ammonium)	≤ 10 ppm
PO_4 (Phosphate)	≤ 10 ppm
SO_4 (Sulphate)	≤ 20 ppm
As (Arsenic)	≤ 2 ppm
Ca (Calcium)	≤ 100 ppm
Fe (Iron)	≤ 5 ppm
Conforms to Reag. Ph.Eur.	Passes test

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Jessie Pijck, Head of Laboratory - Haasrode
VWR International bv; Geldenaaksebaan 464; BE-3001
Leuven; Belgium

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