

BLUE TETRAZOLIUM

AZ0220 Blue tetrazolium, for microscopy



- Synonyms: 3,3'-(3,3'-Dimethoxy[1,1'-bi-phenyl]-4,4'-diyl)bis[2,5-diphenyl-2H-tetrazolium] dichloride
- $C_{40}H_{32}Cl_2N_8O_2$
- $M = 727,66 \text{ g/mol}$
- CAS [1871-22-3]
- EINECS-No.: 217-488-8
- Solub. in water: (20 °C): ~ 3 g/l
- Melting point: 245 - 247 °C
- EC-Index-No.: 611-024-00-1
- GHS-signal word: Danger
- GHS-H sentences: H350
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2933 99 90 90
- Applications: microscopy (dye), for histology.

Absorption maximum λ (in methanol) . . . 250 - 255 nm
Absorptivity (A1%/1 cm; λ , 0,001%; methanol, referred to dried sample) 700
suitability for microscopy passes test
loss on drying (110 °C) max. 3 %

ART. NO.	VOLUME	CONTAINER
AZ02200001	1 g	
AZ02200005	5 g	

BORIC ACID

- Synonyms: Orthoboric acid
- H_3BO_3
- $M = 61,84 \text{ g/mol}$
- CAS [10043-35-3]
- EINECS-No.: 233-139-2
- Solub. in water: (20 °C): 46,5 g/l

- Melting point: 185 °C (decomposes)
- Vapour pressure: (20 °C) 2,7 hPa
- LD 50 (oral, rat): 2660 mg/kg
- EC-Index-No.: 005-007-00-2
- GHS-signal word: Danger
- GHS-H sentences: H360FD

- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 2810 00 90 00
- Applications: in building materials, in porcelain industry, cosmetics, manufacture of dyes, photography, analytical chemistry.

AC0577 Boric acid, extra pure, Phampur®, Ph Eur, BP, NF



assay (acidimetric) 99,0 - 100,5 %
assay (acidimetric, referred to dried sample) 99,5 - 100,5 %
identification passes test
appearance of solution clear and colourless
completeness of solution passes test
pH (3,3 %, H_2O) 3,8 - 4,8
solubility in ethanol 96 % passes test

solubility in alcohol passes test
sulfates (SO_4) max. 450 ppm
organic matter passes test
loss on drying (over silica gel) max. 0,5 %
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
AC05770500	500 g	
AC05771000	1 kg	
AC0577005P	5 kg	
AC0577025P	25 kg	

AC0578 Boric acid, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (acidimetric) 99,5 - 100,5 %
identity (IR-spectrum) passes test
appearance of solution clear and colourless
insoluble in CH_3OH max. 0,005 %
solubility in ethanol 96 % passes test
pH (3,3 %, H_2O) 3,8 - 4,8
chlorides (Cl) max. 0,001 %
phosphates (as PO_4) max. 0,001 %

sulfates (SO_4) max. 0,002 %
calcium (Ca) max. 0,005 %
heavy metals (as Pb) max. 0,001 %
iron (Fe) max. 5 ppm
lead (Pb) max. 0,001 %
organic matter passes test
nonvolatile with methanol max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AC05780500	500 g	
AC05781000	1 kg	
AC0578005P	5 kg	
AC0578025P	25 kg	

AC0580 Boric acid, molecular biology grade



assay (acidimetric) min. 99,5 %
identity (IR-spectrum) passes test
absorbance of an aqueous solution
0,05 M in a 1 cm cell at 260 nm max. 0,01 AU

absorbance of an aqueous solution
0,05 M in a 1 cm cell at 280 nm max. 0,01 AU
heavy metals (as Pb) max. 0,001 %
DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
AC05800500	500 g	
AC05801000	1 kg	
AC0580005P	5 kg	

BORIC ACID, SOLUTION 4%

AC0579 Boric acid, solution 4% w/w

- Synonyms: Orthoboric acid solution
- H_3BO_3
- $M = 61,83 \text{ g/mol}$
- CAS [10043-35-3]
- EINECS-No.: 233-139-2
- Density: 1,015 g/cm³
- Tariff number: 2810 00 90 00
- Applications: analytical chemistry, in the pharmaceuticals industry, in pesticide compositions, titrant in volumetric analysis.

assay (acidimetric) approx. 4 %
chlorides (Cl) max. 0,0003 %
phosphates (as PO_4) max. 0,0005 %
sulfates (SO_4) max. 0,0005 %
arsenic (As) max. 0,5 ppm
heavy metals (as Pb) max. 5 ppm
iron (Fe) max. 1 ppm

ART. NO.	VOLUME	CONTAINER
AC05791000	1 l	
AC0579005P	5 l	