Specification

Bis-Tris for buffer solutions A1025

Physical Description:	Solid
Product Code:	A1025
Product Name:	Bis-Tris for buffer solutions
Specifications:	Assay (titr.): min. 99 % pH (1 %; H_2O): 8.8 - 9.6 Heavy metals (as Pb): max. 0.0003 % Loss on drying: max. 1 % Fe: max. 0.0005 % A (1 cm/0.1 M in H_2O) 340 nm: max. 0.02 280 nm: max. 0.04
WGK:	1
Storage:	RT
Molecular Formula:	$C_8H_{19}NO_5$
M:	209.24 g/mol
CAS:	6976-37-0
EINECS:	230-237-7
CS:	29221900

Comment

Bis-Tris is an important buffer for protein and nucleic acid systems. Additionally it is used as a substitute for cacodylic acid buffer systems (4). The working concentration, mentioned in the literature (ref. 1-3), is 10 - 25 mM.

Bibliography

(1)Massie, B. *et al.* (1995) *Bio/Technology* **13**, 602-608Improved vector for the production of HSV-ribonucleotide reductase R1 and R2. (2)Merabet, E. & Ackers, G.K. (1995) *Biochemistry* **34**, 8554-8563Calorimetric analysis of the lcI-repressor binding to the DNA operator site. (3)Petri, V. *et al*. (1995) *Biochemistry* **34**, 9977-9984Characterization of the binding of the TATA-binding factor to adenovirus E4 promoter. (4)Scopes, R.K. ed. (1994) *Protein Purification (Principles and Practice)* **3rd Edition**, p. 352; Springer-Verlag.

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