

Specification



Tricine BioChemica

A1085

Synonym	N-[Tris-(hydroxymethyl)-methyl]-glycine
useful pH range	pH 7.4 - 8.8
pK_a (20°C)	8.15
Melting point	186 - 188°C (dec.)
Formula	C ₆ H ₁₃ NO ₅
M	179.17 g/mol
CAS-No.:	5704-04-1
HS-No.:	29225000
EC-No.:	227-193-6
Storage:	RT
LGK:	10 - 13
Disposal:	28
Specification	
Assay (titr.)	min. 99 %
IR spectrum	complies
pH (1 %; H₂O; 25°C)	4.6 - 5.6
Water	max. 0.3 %
Chloride	max. 0.1 %
Sulfate	max. 0.005 %
Fe	max. 0.0005 %
Pb	max. 0.0005 %
A (1 cm/0.1 M in H₂O)	
260 nm	max. 0.04
280 nm	max. 0.02
Literature	
	(1) Good, N.E. <i>et al.</i> (1966) <i>Biochemistry</i> 5 , 467-477 Hydrogen ion buffers for biological research.
	(2) Good, N.E. & Izawa, S. (1972) <i>Methods Enzymol.</i> 24 , 53-68 Hydrogen ion buffers.
	(3) Ferguson, W.J. <i>et al.</i> (1980) <i>Anal. Biochem.</i> 104 , 300-310 Hydrogen ion buffers for biological research.

Specification

TÜV
PROF
CERT
ISO 9001

DIN EN ISO 9001
Reg.-Nr. 73 100 785

There is another top address



AppliChem
BioChemicals | Chemical Synthesis Services
an ITW company

Tricine BioChemica**A1085**

Comment

Tricine may substitute Tris in many assay systems, even with some advantages (2). Tricine weakly binds Mg^{2+} , Ca^{2+} and Mn^{2+} stronger and Cu^{2+} strongly. If Cu^{2+} is added to the Folin protein assay, it does not interfere.