

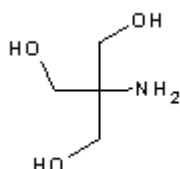


PRODUCT CODE: 241940

Tris standard for volumetry, ACS

Primary Chemical Matter

$C_4H_{11}NO_3$



M.= 121,14

CAS [77-86-1]

EINECS 201-064-4

TARIC 2922 19 00 90

SYNONYMS: 2-Amino-2-Hydroxymethyl-1,3-Propanediol, THAM, Tris, Trizma, Trometamol, Tromethamine, Tromethylol Aminomethane

PHYSICAL DATA: crystalline powder, White, Soluble in water 550 g/l at 25 °C M.P.: 171 - 172 °C • B.P.: 219 - 220 °C • pH(0.1 M)10,4 • pKa20 °C8,3 •

BIBLIOGRAPHY: Merck Index **13**, 9.842 Sax **TEM500** • Safety **2**, **3532 A** • Beilstein **4**, **303 IV**, **1903** • BRN 741883 • ACS **XI** • BP.**2020** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • Royal Decree **I1725** •

HAZARDOUS: RTECS: TY 2900000 • LD L0 oral rbt 1.000 mg/kg • LD50 oral rat 5.900 mg/kg •

SPECIFICATIONS:

Uncertainty
Traceability
Assay (Perchl. Ac.) (after drying at 105°C)
Identity :
Identity

See certificate
NIST
99,95-100,05%
IR passes test

pH sol. 0.05 mol/l	10,2-10,6
Melting range	169-171°C

Maximum limit of impurities

ABS

at λ 290 nm 40% sol. in water	0,2
Insoluble matter in H ₂ O	0,005 %
Residue on ignition (as SO ₄)	0,01 %
Chloride (Cl)	0,0005%
Heavy metals (as Pb)	0,0005%
As	0,00005 %
Ca	0,001 %
Cd	0,0001 %
Co	0,0001 %
Cr	0,0001 %
Cu	0,0002 %
Fe	0,0005 %
K	0,001 %
Mg	0,001 %
Na	0,001 %
Ni	0,0005
Pb	0,0002 %
Zn	0,0002 %