

TRIS / TROMETHAMINE

ACS ULTRA ANALYTICAL REAGENT

CAS #: 77-86-1

Formula: $C_4H_{11}NO_3$

F.W.: 121.14 g/mol

TRIS-5224
BIO ULTRA GRADE

ANALYSIS		SPECIFICATIONS
Absorbance (10%)	260 nm	< = 0.03 a.u.
	280 nm	< = 0.02 a.u.
	430 nm	< = 0.004 a.u.
Absorbance (40%)	280 nm	< = 0.05 a.u.
	290 nm	< = 0.2 a.u.
	400 nm	< = 0.02 a.u.
	430 nm	< = 0.03 a.u.
Absorbance (1M)	230 nm	< = 0.60 a.u.
	260 nm	< = 0.02 a.u.
	280 nm	< = 0.02 a.u.
	300 nm	< = 0.02 a.u.
	400 nm	< = 0.01 a.u.
	405 nm	< = 0.004 a.u.
APHA Color, 20% Aqueous Solution	430 nm	< = 0.004 a.u.
APHA Color, 20% Aqueous Solution		< = 20 APHA
Appearance and Color		White Crystalline Powder
Assay, Dried Basis		> = 99.9%
Enzymes	DNase	None Detected
	RNase	None Detected
	Protease	None Detected
Insoluble Matter		< = 0.005%
Loss on Drying		< = 0.05%
pH (5%)		10.0 – 11.5
Residue on Ignition		< = 0.1%
Solubility, 40%		Pass

ANALYSIS		SPECIFICATIONS
Trace Metals	Aluminum (Al)	< = 5 ppm
	Arsenic (As)	< = 1 ppm
	Barium (Ba)	< = 5 ppm
	Bismuth (Bi)	< = 5 ppm
	Cadmium (Cd)	< = 5 ppm
	Calcium (Ca)	< = 1 ppm
	Chromium (Cr)	< = 5 ppm
	Cobalt (Co)	< = 5 ppm
	Copper (Cu)	< = 1 ppm
	Iron (Fe)	< = 0.5 ppm
	Potassium (K)	< = 50 ppm
	Lithium (Li)	< = 5 ppm
	Lead (Pb)	< = 1 ppm
	Magnesium (Mg)	< = 1 ppm
	Manganese (Mn)	< = 5 ppm
	Molybdenum (Mo)	< = 5 ppm
	Nickel (Ni)	< = 5 ppm
	Strontium (Sr)	< = 5 ppm
	Zinc (Zn)	< = 5 ppm
Water, KF		< = 0.3%

Refer to page 2 for additional product details.

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

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General Product Overview

Tris/Tromethamine is considered a Good's buffer because it has low UV absorptivity, minimal reactivity, stable pH and is soluble in water.

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale production.

Key Product Features

- Appears as a white crystalline powder
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts/derivatives.
- Is not subject to genetic modification
- Synonyms: Tris(hydroxymethyl) aminomethane; Trometamol; THAM; Trisaminol

Storage and Shipping Conditions

Refer to SDS

Standard Shelf-Life Policy

Please inquire for information regarding shelf-life.

Package Sizes

1kg, 5kg, 10kg, 25kg, 50kg

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