



## BIS-TRIS Biologics Grade

### Exceptional Purity. Diverse Applications.

BIS-TRIS Biologics Grade buffer from ANGUS Chemical Company is a 99.0% pure buffering agent widely used as a diagnostic reagent and in gel electrophoresis separations, cell culture and bioprocessing applications. BIS-TRIS is ideal for a variety of biological-based formulations and nucleic acid systems and is known to complex with various metals.

- High purity, 99.0%
- Produced under a single global quality system that includes ISO 9001:2015
- Proven safe use in commercial drug products
- Highly soluble in water
- Ideal for use as an alternative to cacodylate, maleic acid and citrate

#### Typical Properties\*

Purity: .....	99.9%	pH (1.0M aqueous solution @25°C): .....	9.5 – 11.0
Molecular weight: .....	209.24	Working pH Range: .....	5.8 – 7.2
Melting point: .....	100.0 – 104.0°C	pKa @ 20°C: .....	6.35 – 6.65

\*Values shown are typical properties and are not to be considered product specifications. Test methods available upon request.

#### Product Information

Chemical Type	Chemical Name	CAS No.	Catalog No.	Size
Buffer	BIS-TRIS Biologics Grade	6976-37-0	376043	5 KG
			376042	12 KG
			376041	25 KG



### Discover A Better Way™

Spectrum Chemical is proud to offer a curated portfolio of TRIS buffers from ANGUS Chemical Company. From early-stage biopharmaceutical development through commercialization, ANGUS' high-purity, cGMP-compliant TRIS AMINO™ buffers and TRIS derivatives help the world's leading biopharmaceutical companies achieve the most consistent, cost-effective manufacturing processes.



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