



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

**Product:** BIS-TRIS  
**Grade:** ULTRA PURE GRADE  
**Code:** 0715  
Appearance: White crystalline powder  
Mol. Formula: C8H19NO5  
Mol. Weight: 209.2

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
DNase		NONE	P/F	PASS
Identification (IR)	PASS		P/F	PASS
Melting Point	102	106	Degrees C	PASS
Moisture (KF)		1.0	%	PASS
pH (1.0%, Water) @25C	8.8	9.6		PASS
pKa @25C	6.45	6.65		PASS
Protease		NONE	P/F	PASS
Purity (Titration)	99.0		%	PASS
RNase		NONE	P/F	PASS
Solubility (1.0%, Water)	PASS		P/F	PASS

Storage: Store at room temperature. Protect from moisture.

0715UP

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature:

Title:

QC MANAGER

Date:

6/4/2012