

## Certificate of Analysis

### TRIS

Ultra Pure Grade

**Product No.:** JS0159  
**Batch No.:** JYK1029HJ1  
**CAS No.:** 77-86-1  
**Formula:** C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>  
**Formula Weight:** 121.14  
**Storage At:** RT  
**Quality Release Date:** 20/Aug/2023  
**Recommended Retest Date:** 19/Aug/2026

TEST	SPECIFICATION	RESULT
Abs.@280nm (1M, Water)	≤ 0.05	0.018
Abs.@290nm (40%, Water)	≤ 0.2	0.019
Abs.@400nm (40%, Water)	≤ 0.05	0.003
Arsenic	< 0.0005 %	< 0.0003 %
Copper	< 0.0001 %	< 0.0001 %
Identification	PASS / Fail	PASS
Insolubles	≤ 0.005 %	< 0.005 %
Iron	< 0.0001 %	< 0.0001 %
Lead	< 0.0001 %	< 0.0001 %
Magnesium	< 0.0005 %	< 0.0001 %
Melting Point	168 - 172 Degrees C	170.0-171.1 Degrees C
Moisture (KF)	≤ 1.0 %	0.18%
pH (5%, Water) @25C	10.0 - 11.5	PASS

TEST	SPECIFICATION	RESULT
Purity	≥ 99.9 %	99.96 %
Solubility (10%, Water)	PASS / Fail	PASS

**Clara Chen, Manager**

**Quality Control**

**Hongkong, China**

JSENB(HK) warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. For further inquiries, please contact Technical Service or authorized agent according to the batch bar number of the out-of-box list of the product department. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.