



**SISCO  
RESEARCH  
LABORATORIES  
PVT. LTD.**

[www.srlchem.com](http://www.srlchem.com)

## Certificate of Analysis

**Product** 27740 - TRICINE Buffer Reagent Grade, 99% -  
[5704-04-1]  
**Batch No** 6971459  
**Analysis Date** 01-Aug-2023  
**Date of Manufacture** August 2023  
**Expiry Date/Re-Test Date** August 2028  
**Molecular Formula** C6H13NO5  
**Molecular Weight** 179.18

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (NT)	min. 99%	99.4%
Melting Point	186 - 188°C	186.3°C
pH (1M aq. solution)	4.0 - 6.0	5.2
Loss on drying	max 0.2%	0.1%
Sulphated Ash	max 0.1%	0.02%
Chloride (Cl)	max 0.05%	Passes
Sulphate (SO4)	max 0.005%	Passes
Iron (Fe)	max 0.0005%	Passes
Heavy Metals (Pb)	max 0.001%	Passes
Copper (Cu)	max 0.0005%	Passes
Smooth curve	230 - 350nm	Passes
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H2O		
@250 nm	max. 0.1	0.035

FRM/82/11/4/27740 Rev No. 2 Date 27/10/2022

Prepared by Prasad

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

1/1

[an ISO 9001-2015, 17025:2017, CE, GMP Certified Company](#)

This COA has been generated electronically and it is valid without signature.