

Certificate of Analysis

Date of Testing: 2023-01-16 16:07:26

Date of Next Testing: 2027-01-15 16:07:26

Product Name: **Tricine**

CAS Number: 5704-04-1

Specifications & Purity: for cell culture, ≥99.5%(T)

Lot #: A2306854

SKU #: **T118067**

Analysis: **144779**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.13 %
Endonuclease Detection	0-0.1 (EU/g)	0.03 EU/g
standard plate count	0-100 (cfu/g)	12.62 cfu/g
Heavy metal (as Pb)	0-5 (ppm)	1.62 ppm
Purity (Titration by NaOH)	99.5-100 (%)	99.98 %
Appearance (T118067)	White Powder or Crystals	White Powder or Crystals
Electrophoresis test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
RNASE, DNASE, NICKASE AND PROTEASE	none detected	none detected
Solubility in H2O , Colorless,Clear,2.5 g/10 mL	pass	Pass
UV Absorbance(at 290nm,20%w/w)	≤0.02	≤0.02
Cell Culture Test	pass	Pass



John Su
QA & QC Manager