

Certificate of Analysis

Date of Testing: 2023-02-16 15:25:53
 Date of Next Testing: 2027-02-15 15:25:53
 Product Name: **L-Methionine**
 CAS Number: 63-68-3
 Specifications & Purity: from non-animal source, meets EP, JP, USP, for cell culture, 99.0-101.0%
 Lot #: B2310342
 SKU #: **M101131**
Analysis: **120425**
 Storage Temperature: Protected from light

Parameter	Limit Values	Result
Chloride	0-0.02 (%)	0.01 %
Assay	99-101 (%)	100.36 %
Sulfate(SO42-)	0-0.02 (%)	0.01 %
(As)Arsenic	0-2 (ppm)	0.00 ppm
Loss on drying	0-0.2 (%)	0.07 %
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Ammonia (NH4)	0-0.02 (%)	0.01 %
Endotoxin Assay	0-1 (EU/mg)	0.85 EU/mg
Appearance (M101131)	white powder	White powder
Identity by IR	Conforms to Structure	Conforms to Structure
Origin	non-animal source	non-animal source
Solubility,Clear , 2.5g to 100 mL H2O	pass	Pass
Cell Culture Test	pass	Pass
Cell Line test	Attached Cell Line	Attached Cell Line
Expected Solvent Residual Solvent	Meets Requirements	Meets Requirements
Residual Solvents USP <467>	meets the requirements	meets the requirements



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager