

## 1124 – DL-METHIONINE

REF NO: TBL/QA/SS/LC/1124	<b>STANDARD SPECIFICATION FOR DL-METHIONINE</b>	Rev. No: 03
Issue No: 04		Review Date: 26/10/2024
Issue Date: 27/10/2021		Product code: 1124

### PRODUCT PROPERTIES

C.A.S Number	59-51-8
Chemical Formula	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S
Formula weight	149.21
Functional Uses	DL-Methionine is used to study the susceptibility of methionine to oxidation during the development of monoclonal antibodies.
Standard Packaging	100 gm., 500 gm., 1kg & 25 kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline Powder, Sweet and slightly bitter taste.
State of solution	Clear & colorless.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1% Soln. at 25°C)	5.6 – 6.1
Moisture	NMT – 0.3%
Residue on Ignition (Sulphated)	NMT – 0.1%
Chloride (Cl)	NMT – 0.02%
Ammonium (NH <sub>4</sub> )	NMT – 0.02%
Sulphate (SO <sub>4</sub> )	NMT – 0.02%
Iron (Fe)	NMT – 10 ppm
Heavy Metals (Pb)	NMT – 10 ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	NMT – 1 ppm
Assay	99.0 – 100.5%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

