

# BaseBulk

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	DL-Methionine
Batch Number	AP-DLM-72219-12032022-1
Manufacturing Date	12/03/2022
Expiry Date	11/09/2027
Chemical Formula	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S
Molecular Weight	149.21
Country of Origin	China
Product Code	72219

### Assay

Analysis Item	Specification	Result
DL-Methionine	99.0 – 101.0 %	99.4 %

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Crystalline Powder or small Flakes	Conforms
Color	Almost White	Conforms
Appearance of Solution	Clear and Colorless	Conforms
Identification	Conforms to EP8.0	Conforms
Optical Rotation	-0.05° to +0.05°	Conforms
Loss on Drying	≤0.5 %	0.13 %
Residue on Ignition	≤0.1 %	0.07 %
pH	5.4 – 6.1	5.89
Related Substances	≤0.2 %	Conforms

### Additional Chemical Parameters

Analysis Item	Specification	Result
Chloride (Cl)	≤200 mg/kg	<200 mg/kg
Sulfate (SO <sub>4</sub> )	≤200 mg/kg	<200 mg/kg
Ethylene Oxide	Meet EC 396/2005	Conforms

### Packaging & Storage

Packaging	Packed in paper-drums of 25 kg each with two plastic-bags inside
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Storage Conditions	Store in a cool and dry place protected against strong light and heat
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