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## DL-Methionine

**GRM056**

### Product Identifier

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CAS No.	:	59-51-8
EC No.	:	200-432-1
Molecular Formula	:	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S
Molecular Weight	:	149.21
HS Code	:	2930 40 00
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

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Appearance	:	White to off-white crystals or powder or flakes
Solubility	:	10 mg soluble in 1 mL of water
pH (2% in water at 25°C)	:	5.40 - 6.10
FTIR	:	Matches with the standard pattern
Specific rotation	:	-0.05° to +0.05° (c = 5% in 1M HCl at 20°C)
Chloride (Cl)	:	<= 0.02%
Sulfate (SO <sub>4</sub> )	:	<= 0.02%
Loss on drying (at 105°C, 2 hr)	:	<= 0.50%
Sulphated ash	:	<= 0.10%
Assay (NT, on dry basis)	:	99.00 - 101.00%

### Safety Information

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UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	1