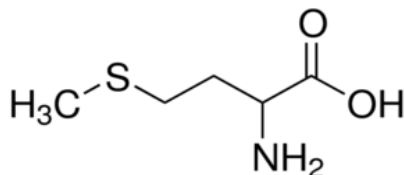


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DL-Methionine – Feed Grade

**DL-Methionine; Methionine; Racemethionine; Acimention; Banthionine;
 DL-2-Amino-4-(methylthio)butanoic acid; (±)-2-Amino-4-(methylmercapto)butyric acid**

CHEMICAL CHARACTERISTICS

CAS N°:	59-51-8
EINECS N°:	200-432-1
Molecular Formula:	C ₅ H ₁₁ NO ₂ S or CH ₃ S(CH ₂) ₂ CH(NH ₂)COOH
Molecular Weight (g/mol):	149.21
Physical Description:	Pale beige powder
Bulk Density (t/m ³):	0.7 +/- 0.07
Solubility in water (20 °C, g/L):	Approx. 30

TECHNICAL PROPERTIES

Assay (as C ₅ H ₁₁ NO ₂ S), not less than, %	99.0
Content in Methionine, not less than, %	99.0
Angle of repose, °	40 +/- 4
Disgestibility, %	100
Crude protein (N x 6.25), not less than, %	58.1
Humidity (loss on drying), not more than, %	0.3
Residue on ignition, not more than, %	0.5
Particle size:	
- 0 µm – 1.000 µm, not less than, %	90

APPLICATION

DL-Methionine is the necessary growth factors in livestock animal. DL-Methionine is widely used as nutritional supplement in Poultry feed. DL-Methionine is used as an aminoacid for animals to promote their overall health and well being. DL-Methionine is one of the essential aminoacid needed for the healthy growth of poultry and pig, dog, cat. It has been used in both animal feed and aquaculture.

Benefits:

Improves animal performance in poultry (broilers and layers), swine, fish and shrimp.
 Supplementing with reduces production costs through optimized feed conversion.
 It increases body weight gain and improves breast meat yield in broiler production.



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PACKING & STORAGE

DL-Methionine feed grade is packed in 25 kg polyethylene bags.
 DL-Methionine feed grade should be kept cool and dry in unopened manufacturer's packaging. Should be storage in rooms on wooden shelves or pallets at a temperature of 5°C to 30°C and of relative humidity of 20% to 75%.

GUARANTEED SHELF LIFE

Under these conditions of storage, the recommended shelf life of DL-Methionine feed grade is 5 years from the manufacture date.

TRANSPORT

DL-Methionine feed grade can be transported by all types of transport in accordance with Goods Transport Rules applicable for this vehicle of product. DL-Methionine feed grade isn't subject to Dangerous Goods Regulations.

CERTIFICATION

Product safety is confirmed by the Safety Data Sheet.
 DL-Methionine feed grade is approved for use in all animal species according to European feed law and labely accordingly.

By more information contact to: sales@dirox.com.uy

