

**PRODUCT INFO  
& DATASHEET**

# SICO DL-METHIONINE 99 % Feedgrade

## - Made in China -

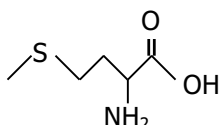
### 1. PRODUCT DESCRIPTION & PROPERTIES

CAS No : 59-51-8

Molecular weight : 149.21

Molecular structure :

Molecular formula : C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>S



**Sico DL-Methionine** is a white or light grey crystal or powder. It has a special smell. The density is 0.6 g/cm<sup>3</sup>. The melting point of **Sico DL-Methionine** is 281 °C. It is soluble in water, low-concentration acid and alkali solution, but not soluble in ether.

### 2. SPECIFICATIONS

ITEM	INDEX
DL-Methionine (%)	99.0 min.
Loss on drying (%)	0.3 max.
Sodium sulfate (Na <sub>2</sub> SO <sub>4</sub> ) (%)	0.3 max.
Chloride (NaCl) (%)	0.2 max.
Heavy metal, Pb (mg/kg)	20 max.
As (mg/kg)	2 max.
Density (g/cm <sup>3</sup> )	0.57 ~ 0.6

### 3. USE

**Sico DL-Methionine Feedgrade** is approved for use in feeds for all animal species. The essential amino acid methionine is essential in the diet of all animals. Additionally, diets for piglets and growing pigs can show a considerably deficiency in methionine, especially when formulated to achieve low nitrogen excretion for ecological reasons. Such a deficiency can be conveniently compensated for by using **Sico DL-Methionine Feedgrade**.

### 4. PACKING & STORAGE

**Sico DL-Methionine** is packed in 25 kg net kraft paper bags with SICO label (no Chinese signs & marks), 20 MT/20 ft container (without pallets).

### 5. SHELF LIFE

2 years if stored properly in closed bags, dry, dark and cool.

### CERTIFICATE OF ANALYSIS

Test date : 14/2/2011

Molecular Formula	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S	
CAS Registry no.	59-51-8	
Chemical name	DL-Methionine	
Molecular weight	149.21	
Item	Standard specifications	Test result
Appearance	White or light grey powder or crystals	Light grey crystals
DL-Methionine	≥ 99.0	99.1
Density	0.57 – 0.6	0.6
Loss on drying	≤ 0.3	0.1
Chloride (NaCl)	≤ 0.2	< 0.2
Pb	≤ 20	< 20
As	≤ 2	< 2

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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**SICO FEEDS**  
EVERY TIME THE *right* SOLUTION