

Product Information

**AQUAVI® Met-Met**

**APPEARANCE**

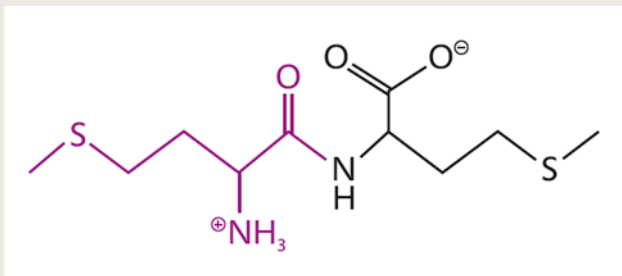
White to light brown crystalline powder  
 Bulk density: 400 – 500 kg/m<sup>3</sup>  
 Angle of repose: 63 °  
 Particle size distribution: about 90 % < 300 µm  
 Solubility: approx. 7 g/L in water at 25 °C

**SPECIFIED VALUES**

Assay min.	95 %
Loss on drying max.	1 %

**MOLECULAR DATA**

Molecular formula: C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>S<sub>2</sub>  
 Molecular weight: 280.39 g/mol



**PRODUCTION**

AQUAVI® Met-Met (DL-Methionyl-L-Methionine) is synthesized from petrochemical raw materials using an environmentally friendly patented proprietary process. This proven complex, system results in a high quality product, avoiding pollution by waste air and water.

**USE**

AQUAVI® Met-Met is the second generation Methionine source for shrimp, prawn and other crustaceans. It has been developed to provide the most effective methionine source to the aquaculture feed industry combined with a particle size distribution optimized for shrimp and prawn feed. AQUAVI® Met-Met is the dipeptide of DL-Methionine and can be enzymatically cleaved in vivo in two methionine molecules by most aquatic and terrestrial animals. It ensures a better amino acid synchronicity and the adequate supply of the sulfur containing amino acid methionine and cysteine. Due to its extremely low water solubility, risk of leaching is absolutely minimized. About 90 % of all particles of AQUAVI® Met-Met below 300 microns. Excellent homogeneity and distribution in the feed mixture combined with a high hydrothermal stability during feed processing guarantee high and constant availability to the animal.

**NUTRITIONAL MATRIX**

The following are typical values, and might be subject to natural variation.

Nutrient	Matrix value
DL-Methionyl-L-Methionine (min)	95 %
Digestibility	100 %
Crude protein (N x 6.25)	61 %
D, L-Met (max)	3 %

**Product Information****AQUAVI® Met-Met****PROCESSING**

AQUAVI® Met-Met can be processed into premixes and compound feeds by any technical procedure. Its technical properties guarantee homogenous mixability and stability against demixing.

**STORAGE, STABILITY AND PACKAGING**

AQUAVI® Met-Met should be kept cool and dry in unopened original packaging. Storage conditions of 5 ° – 30 °C and 20 – 75 % relative humidity are recommended.

Under these conditions its active content is guaranteed for 3 years from the manufacturing date. The manufacturing date is part of the lot number on the package label.

**PACKAGING**

Valve type paper bag 2-ply + plastic film, 25 kg net.

**REGULATORY AFFAIRS**

CAS-No.: 52715-93-2

Customs tariff group: 293090

AQUAVI® Met-Met is approved as Feed Additive according to European feed law and labeled accordingly.

AQUAVI® Met-Met is not subject to dangerous goods regulations.

**SAFETY AND ENVIRONMENT**

AQUAVI® Met-Met can be handled safely.

According to EC chemicals legislation, it is non toxic, and, if correctly handled, it does not irritate the skin and mucous membranes. Accordingly, it is not classified as a hazardous chemical. The usual regulations of safety and hygiene for handling of chemicals should be followed.

**For additional information, please contact us directly.**

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