

Product Information

AQUAVI® Met-Met

APPEARANCE

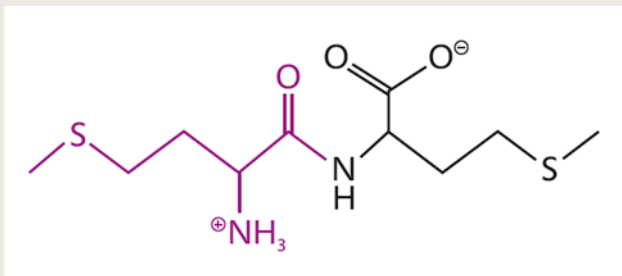
White to light brown crystalline powder
 Bulk density: 400 – 500 kg/m³
 Angle of repose: 63 °
 Particle size distribution: about 90 % < 300 µm
 Solubility: approx. 7 g/L in water at 25 °C

SPECIFIED VALUES

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

MOLECULAR DATA

Molecular formula: C₁₀H₂₀N₂O₃S₂
 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.

This information and all technical and other advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights. Evonik reserves the right to make any changes to information or advice at any time, without prior or subsequent notice. EVONIK DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE), OR OTHERWISE. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. It is the customer's sole responsibility to arrange for inspection and testing of all products by qualified experts. Reference to trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used.

10/ 2017

Evonik Nutrition & Care GmbH
Animal Nutrition Business Line

animal-nutrition@evonik.com
www.evonik.com/animal-nutrition