



AQUAFEED



PETFOOD

GOLDMEHL® FM HYDROLYSED

Special Processed Protein by using
Low Temperature Drying Technology



crude protein



crude ash



digestibility



CORE PARAMETERS

GOLDMEHL®

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We go beyond.

GOLDMEHL® FM

HYDROLYSED



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3020

Current revision number and date: 018, May 2019
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DEFINITION

GOLDMEHL® FM is an environmentally friendly and sustainable special raw material. GOLDMEHL® FM is produced under gentle process conditions (Low Temperature Drying Technology), originated from feathers. GOLDMEHL® FM is fully aqua bio-secure; because of its origin (non-aquatic sources), extremely low content of unwanted substances (such as heavy metals, dioxin), and absence of antibiotic growth promoters. GOLDMEHL® FM derives from fully healthy animal by-products, which are considered by veterinarians to be Cat. III material, EU 1069/2009.

SPECIFICATION

| Nutrients | | |
|---|--------|------------------|
| Moisture | < 8 % | VDLUFa III 3.1 |
| Crude Protein | > 85 % | VDLUFa III 4.1.1 |
| Crude Fat | > 4 % | VDLUFa III 5.1.1 |
| Crude Ash | < 3 % | VDLUFa III 8.1 |
| Digestibility, Ileal Digestible Protein | > 80 % | Boison 96/07 |

| Volume elements | | |
|-----------------|-------|-------------------|
| Calcium (Ca) | 0.4 % | VDLUFa III 10.3.2 |
| Phosphorus (P) | 0.2 % | VDLUFa III 10.6.5 |
| Ca:P ratio | 1.7 | |
| Magnesium (Mg) | 0.1 % | DIN CEN/TS 15621 |
| Potassium (K) | 0.1 % | VDLUFa III 10.2.1 |
| Sodium (Na) | 0.1 % | VDLUFa III 10.1.1 |

| Trace elements | | |
|----------------|-------------|-------------------|
| Copper (Cu) | 10.5 mg/kg | DIN15763 SOPM1474 |
| Zinc (Zn) | 139.5 mg/kg | DIN15763 SOPM1474 |
| Iron (Fe) | 185.0 mg/kg | DIN CEN/TS 15621 |
| Manganese (Mn) | 13.8 mg/kg | DIN CEN/TS 15621 |

| Amino acids | | |
|----------------|--------|-------------------|
| Alanine | 3.6 % | VDLUFa III 4.11.1 |
| Arginine | 6.7 % | VDLUFa III 4.11.1 |
| Aspartic acid | 6.3 % | VDLUFa III 4.11.1 |
| Cystine | 4.7 % | VDLUFa III 4.11.1 |
| Glutamine acid | 10.2 % | VDLUFa III 4.11.1 |
| Glycine | 8.2 % | VDLUFa III 4.11.1 |
| Histidine | 0.7 % | VDLUFa III 4.11.1 |
| Isoleucine | 4.4 % | VDLUFa III 4.11.1 |
| Leucine | 7.6 % | VDLUFa III 4.11.1 |
| Lysine | 1.7 % | VDLUFa III 4.11.1 |
| Methionine | 0.4 % | VDLUFa III 4.11.1 |
| Phenylalanine | 4.5 % | VDLUFa III 4.11.1 |
| Proline | 9.2 % | VDLUFa III 4.11.1 |
| Serine | 11.6 % | VDLUFa III 4.11.1 |

| | | |
|-------------|-------|-------------------|
| Taurine | 0.1 % | VDLUFa III 4.11.1 |
| Threonine | 4.0 % | VDLUFa III 4.11.1 |
| Thryptophan | 0.9 % | VDLUFa III 4.11.1 |
| Tyrosine | 1.2 % | VDLUFa III 4.11.1 |
| Valine | 3.6 % | VDLUFa III 4.11.1 |

The data in the specification, which are not specified specifically (">" or "<") represent mean values. These data should be considered as typical values, with out any commitment.

| Microbiology | | |
|----------------|------------------|----------------|
| Salmonella | negative in 25 g | LFGB L00.00-98 |
| Enterobacteria | < 10/g | LFGB L05.00-5 |

| | | |
|--------------|---|--|
| Antioxidants | Natural or synthetic antioxidants, on request. No addition of Ethoxyquin (E 324). | |
|--------------|---|--|

| | | |
|-----|------------------|------------|
| PME | 340 kcal ME/100g | AAFCO 2008 |
|-----|------------------|------------|

| | |
|--------|-------------|
| Colour | light-brown |
|--------|-------------|

| | |
|---------|-------|
| Flavour | fresh |
|---------|-------|

| | |
|---------------|---|
| Contamination | technically free from pesticides, lumps, insects and other foreign bodies |
|---------------|---|

LEGISLATION / HEALTH CERTIFICATE

GOLDMEHL® FM is considered a processed animal protein in accordance to EU regulation 1069/2009. GOLDMEHL® FM has been manufactured out of low risk poultry material only, which has passed the slaughtering process. It is classified to be "category 3 material" (Regulation (EC) No. 1069/2009; 999/2001; 142/2011 and amendments).

HALAL certified (by HQC):

This product is in compliance with the Halal requirements stipulated by Halal Quality Central (HQC)".

Usage

GOLDMEHL® FM is widely used within the pet food industry to standardize the quality of this raw material. GOLDMEHL® FM is used as a raw material in diets for dogs, cats, minks, aqua culture and as a fertilizer.

APPLICATION

GOLDMEHL® FM is a uniformly blended animal protein containing 85% of protein and high levels of essential amino acids. It is designed to approximate the nutrient profile of fish meal. GOLDMEHL® FM can be considered as a (at least partly) replacement of fish meal. The replacement of fish meal can be done on a weight basis (w/w) or on a nutrient replacement basis. For more detailed information, please contact GEPRO Geflügel-Protein Vertriebsgesellschaft mbH & Co. KG.

STANDARD PACKAGING

Bulk, bags and big bags on pallets

STABILITY / STORAGE

GOLDMEHL® FM has a shelf life of 6 months in well closed containers in a cool (12 to 18°C) and dry place.

Storage above room temperature may change the shelf life. It is not recommended to expose to direct sun light.

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Veterinary-Control-No. & EU Vet. Category III No.: DE-03 251 0001 08

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