



---

# FEED CHEMICAL

# BROCHURE

---

# About Us

Tradeasia International Pte. Ltd. is a privately owned, independent company headquartered in Singapore. We are a global trading organization providing integrated chemical procurement services with certainty and trust, which makes Tradeasia unique.



Tradeasia International was set up with the sole intention of carrying out chemical distribution services especially to commodity industries in many parts of the world. Today, Tradeasia International represents a growing number of businesses that are serving a variety of markets. We source and supply about 500-600 containers monthly to our customers worldwide.

12

**Locations**

50+

**Suppliers**

500+

**Products**

400+

**Clients**

# About Feed Additives

Feed Additives is a strategic business unit of Tradeasia International Pte. Ltd. that accommodate natural and synthetic feed chemical products to supply numerous industries' feedstock needs. Our platform provides a wide range of natural and synthetic feed raw materials for various applications and initiatives from reliable sources to ensure the quality of our products. Our goal is to link customers anywhere in the world with top feed raw material producers for a seamless and secure trade to fulfill our customers' needs.

To be a reliable and trustworthy partner in the global supply chain of feed raw material, we strive to provide an eligible marketplace to ensure top-quality rubber raw material and services through effective supply chain solutions while providing profitable and sustainable growth to all our customers.

We value trust, integrity, commitment, and partnership through an effective solution-oriented management system.





# FEED RAW MATERIALS

# MEAT BONE MEAL

Meat bone meal is a commercial product mostly made by cooking, defatting, sterilizing, grinding, and sifting by-products of terrestrial animals. MBM is primarily used in the formulation of animal feed to improve the amino acid profile of the feed. It also used as an alternative low-cost protein source for pet food. MBM contains high digestible protein, long-chain fatty acid, essential vitamins, and minerals.



|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| HS Code   | : 2301.10                                                         |
| CAS No.   | : 68920-45-6                                                      |
| Origin    | : Brazil, USA                                                     |
| Packaging | : Raffia bags of 50 Kg, Raffia big bag (800 until 1500 Kg), bulk. |

## Specifications :

| Parameter                             | Unit   | Specification      |
|---------------------------------------|--------|--------------------|
| Appearance                            |        | Light brown powder |
| Humidity                              | %      | Max 8.00           |
| Crude Protein                         | %      | Min. 48.00         |
| Ethereal Extract                      | %      | Min. 8.00          |
| Mineral Matter                        | %      | Min. 32.00         |
| Calcium                               | %      | Max 10.00          |
| Phosphorus                            | %      | Min. 4.00          |
| Acidity Index in NaOH/g               | %      | Max. 4.00          |
| Protein digestibility in Pepsina 0,2% | %      | Min. 80.00         |
| Peroxide Index                        | meq/kg | Max 5.0            |

## Applications:



Suitable for monogastric, poultry, fish, and pet feed



A good source of protein, also calcium and phosphorous



Increasing immune response and appetite

# POULTRY MEAL

Poultry meal is commonly used for feed ingredients in livestock feed such as poultry, aqua, ruminants, non ruminants, and pet food. It is high quality feed ingredients due to essential amino acids, fatty acids, vitamins and minerals and high palatable.

HS Code : 2309.30  
CAS No. : 92113-16-1  
Origin : Saudi Arabia, Kuwait, Brazil  
Packaging : 50 Kg bag

## Specifications :

| Parameter                             | Unit | Specification      |
|---------------------------------------|------|--------------------|
| Appearance                            |      | Light Brown Powder |
| Humidity                              | %    | Max 5.00           |
| Crude Protein                         | %    | Min. 55.00         |
| Fat                                   | %    | Min 15.00          |
| Crude Fiber                           | %    | Min. 0.5           |
| Ash                                   | %    | Min. 14.00         |
| Calcium                               | %    | Min. 4.00          |
| Phosphorus                            | %    | Min. 1.30          |
| Sodium                                | %    | Max. 0.92          |
| Protein Digestibility in Pepsina 0.2% | %    | Min. 90.00         |

## Applications:



A good source of protein and high profile of amino acid



Suitable for fish, cattle, swine, and pet



High digestability and high palatability

# FISH MEAL

Fish meal is a commercial product mostly from dried and grinded fish, which is commonly used in feed production as protein source. Fish meal is critical raw material for animal production and reproduction due to high protein contents. It is made from the bones and offal left over from fish caught by commercial fisheries.

HS Code : 2301.20  
CAS No. : 97675-81-5  
Origin : India, Indonesia, Thailand, Peru  
Packaging : Raffia bags of 50 Kg

## Specifications :

| Parameter                             | Unit     | Specification     |
|---------------------------------------|----------|-------------------|
| Appearance                            |          | Dark brown powder |
| Humidity                              | %        | Max 5.00          |
| Crude Protein                         | %        | Min. 55.00        |
| Fat                                   | %        | Min. 15.00        |
| Crude Fiber                           | %        | Min. 0.5          |
| Ash                                   | %        | Min. 14.00        |
| Calcium                               | %        | Min. 4.00         |
| Phosphorus                            | %        | Min. 1.30         |
| Sodium                                | %        | Max. 0.92         |
| Protein digestibility in Pepsina 0,2% | %        | Min. 90.00        |
| TVBN                                  | mg/100gr | Max. 150.00       |
| Histamine                             | PPM      | Max. 500          |
| Antioxidant (BHA/BHT)                 | PPM      | Min. 150.00       |

## Applications:



Source of protein for pig, poultry, cattle, and aquatic animals



High protein and minerals such as calcium and phosphorous



Promote fast growth in aquatic animals like crab, fish, and shrimp



Category: Protein Sources

# CORN GLUTEN MEAL

Corn gluten meal is the main protein extracted from the endosperm of corn. It is a product of wet-milling corn, along with other products such as starch and corn oil. Corn gluten meal is rich in protein with a protein content of approximately 65% and is commonly used as feed for livestock. Corn gluten meal can also be used for agricultural purposes.

|           |                         |
|-----------|-------------------------|
| HS Code   | : 2303.10               |
| CAS No.   | : 66071-96-3            |
| Origin    | : Indonesia, China, USA |
| Packaging | : 25kg or 50kg bags     |

## Specifications :

| Parameter  | Unit | Specification       |
|------------|------|---------------------|
| Appearance |      | Light yellow powder |
| Moisture   | %    | Max 10.00           |
| Protein    | %    | Min. 60.00          |
| Fat        | %    | Min. 2.50           |
| Fiber      | %    | Min. 2.50           |
| Ash        | %    | Min. 2.50           |
| Aflatoxin  | ppb  | Max. 20.00          |

## Applications:



High protein content and excellent digestibility



Suitable for ruminants, pigs, poultry, rabbits, and fish



A good source of energy in pet and aquatic feed

Category: Protein Sources

# SOYBEAN MEAL

Soybean meal is the product obtained after oil has been extracted from whole soybeans. Soybean meal contains an abundant amount of highly digestible proteins, composed of several essential amino acids for livestock and poultry. Hence, soybean meal is mainly used as a protein supplement in animal feed.

HS Code : 2304.00  
CAS No. : 68308-36-1  
Origin : India (Non-GMO), USA (GMO)  
Packaging : 50kg bags

## Specifications :

| Parameter       | Unit  | Specification      |
|-----------------|-------|--------------------|
| Appearance      |       | Light Brown Powder |
| Moisture        | %     | Max 11.00          |
| Protein         | %     | Min. 48.00         |
| Fat             | %     | Max. 1.50          |
| Fiber           | %     | Max. 6.00          |
| Sand and Silica | %     | Max 2.00           |
| Urease Activity | Mg N2 | Max. 0.30          |

## Applications:



Suitable for ruminants, pigs, poultry, rabbit, fish, and crustaceans



A good source of protein



highly palatable, high protein content, low crude fiber content



# FEED ADDITIVES

# SOY LECITHIN

Soy lecithin is used in animal diets not only for their nutritional contribution of phospholipids and essential fatty acid, but also for many functional purposes. Soy lecithin is the foundation of most animal feed, supplying necessary amino acids for maximum production efficiency, energy sources are critical animal diets. In animal feed, it enriches fat and protein and improves palletization

HS Code : 2923.20  
CAS No. : 8002-43-5  
Origin : Brazil, Argentina, China, India  
Packaging : ISO Tank, Octabin, Flexitank, Drums



## Specifications :

| Parameter         | Unit                  | Specification     |
|-------------------|-----------------------|-------------------|
| Appearance        |                       | Dark brown liquid |
| Humidity          | %                     | Max 1.00          |
| Acetone Insoluble | %                     | Min. 62.00        |
| Hexane Insoluble  | %                     | Max 0.30          |
| Acidity           | Mg KOH/gr             | 30.0 Max          |
| Peroxide          | meq/kg                | Max 5.00          |
| Colour Gardner    | Lovibond 10mm Cuvette | Max. 18           |
| Viscosity         | Poise                 | 120 Max at 25°C   |

## Applications :



**Improve feed utilization & growth rate**



**High amino acid absorbtion**



**Feed additives as emulsifier agent**

# FERROUS SULPHATE MONOHYDRATE

Calcium D-pantothenate is regarded as an effective source of pantothenic acid, due to its established nutritional role in domestic animals. D-Panthenol is considered a pro-vitamin essentially bioequivalent to pantothenic acid.

HS Code

: 2833.29

CAS No.

: 17375-41-6

Origin

: China

Packaging

: 25kg bag



### Specifications :

| Parameter     | Unit | Specification                       |
|---------------|------|-------------------------------------|
| Appearance    |      | White greenish powder               |
| Content       | %    | Min. 30.00                          |
| Arsenic       | PPM  | Max. 2.00                           |
| Lead          | PPM  | Max 15.00                           |
| Cadmium       | PPM  | Max. 10.00                          |
| Particle Size |      | Min. 95% pass through 40 mesh sieve |

### Applications :



Prevent iron deficiency



Treat iron deficiency anemia



Maintain good level of iron

# MONOCALCIUM PHOSPHATE

Monocalcium phosphate used as a supplement for livestock and poultry diet to increase calcium and phosphorus intakes that enhance to the creation of strong bone tissue, enhance metabolic, nerve, immune and reproductive systems. Adding this mineral to herbivorous animals’ dietary composition is highly suggested.

HS Code

: 2835.26

CAS No.

: 7758-23-8

Origin

: China

Packaging

: 25 Kg bag



### Specifications :

| Parameter              | Specification         |
|------------------------|-----------------------|
| Total P                | 22.3%                 |
| Water-soluble P (rate) | 89.8%                 |
| Available Phosphorus   | 99%                   |
| Calcium (Ca)           | 14.1%                 |
| Fluorine (F)           | 8 PPM                 |
| Lead (Pb)              | 5 PPM                 |
| Cadmium (Cd)           | 2 PPM                 |
| pH                     | 4                     |
| Water Content          | 1.5%                  |
| Particle Size          | Pass 0.2 - 1.5 mm 98% |

### Applications :



Prevent iron deficiency



Treat iron deficiency anemia



Maintain good level of iron

# DICALCIUM PHOSPHATE

Monocalcium phosphate used as a supplement for livestock and poultry diet to increase calcium and phosphorus intakes that enhance to the creation of strong bone tissue, enhance metabolic, nerve, immune and reproductive systems. Adding this mineral to herbivorous animals’ dietary composition is highly suggested.

HS Code

: 2835.25

CAS No.

: 7757-93-9

Origin

: China, Middle East

Packaging

: 25 kg bags



### Specifications :

| Parameter      | Unit  | Specification |
|----------------|-------|---------------|
| Phosphorus     | %     | Min. 18.00    |
| Citric Soluble | %     | Min. 14.00    |
| Calcium (Ca)   | %     | Min. 21.00    |
| Fluorine (F)   | mg/kg | Max 1800      |
| Lead (Pb)      | mg/kg | Max. 30.00    |
| Arsenic (As)   | mg/kg | Max. 20.00    |
| Cadmium (Cd)   | mg/kg | Max. 10.00    |
| Chrome (Cr)    | mg/kg | Max. 30.00    |
| Moisture       | %     | Max. 4.00     |

### Applications :



Improves growth  
and fertility



Raise teeth and  
bones  
development



Muscle and cells  
health

# CHOLINE CHLORIDE 60%

Choline usually classified as complex vitamin B (often called vitamin B4), maintain the physiological functions of animals' bodies as a low-molecular organic compound that can be synthesized in vivo, but usually required in feed as a single vitamin, the largest demand in feed additive. It is an essential factor in the normal development and health of animals and is necessary for maximum growth of most animals. In poultry, choline deficiency is characterized by a fatty degeneration of the liver, a reduced growth rate, perosis, and in mature birds, a decrease in egg production and hatchability.



HS Code : 2309.90  
 CAS No. : 67-48-1  
 Origin : China  
 Packaging : 25 kg bag

## Specifications :

| Parameter            | Unit          | Specification        |
|----------------------|---------------|----------------------|
| Appearance           |               | Light brown granular |
| Choline Content      | %             | Min. 60.00           |
| TMA (Trimethylamine) | ppm           | Max. 300.00          |
| Loss on Drying       | %             | Max 2.00             |
| Particle Size        | 20 mesh Sieve | Min. 95.00 pass      |

## Applications :



**Prevent abnormal fatty liver accumulation**



**Maintain body functions and enhance growth**



**Prevents perosis and liver enlargement**

# L-LYSINE SULFATE

L-lysine is an essential amino acid for human and animal nutrition out of the 9 amino acids. Out of the 20 L-amino acids, ecumenically L-Lysine found in most living organisms. L-lysine is useful as medicament, chemical agent, food material (food industry) and feed additive (animal food). Demand for L-lysine has been steadily increasing in recent years. Lysine sulphate, the sulphate salt of lysine along with fermentation by-products, is 51% L-lysine (as free L-lysine). It does not only contain lysine but also by-products, such as essential amino acid and carbohydrate. Lysine Sulphate can be used as a substitute of traditional L-lysine HCL as a livestock feed additive.

HS Code : 2922.41  
CAS No. : 60343-69-3  
Origin : China  
Packaging : 25 kg bag



## Specifications :

| Parameter      | Unit  | Specification        |
|----------------|-------|----------------------|
| Appearance     |       | Light brown granular |
| Lysine Sulfate | %     | Min. 70.00           |
| L-Lysine       | %     | Min. 55.00           |
| Moisture       | %     | Max 4.00             |
| Heavy Metals   | mg/kg | Max. 10.00           |
| Arsenic        | mg/kg | Max 2.00             |
| Ammonium Salt  | %     | Max. 1.00            |
| pH             |       | 3.0-6.0              |

## Applications :



**Nutritional Supplement  
for pig, poultry, and fish**



**Grow rates promoter**



**Improve egg production**

# Lysine HCL

Lysine (symbol Lys or K) is an  $\alpha$ -amino acid that is a precursor to many proteins. L-Lysine is proposed to be used in feeds in order to achieve the adequate amino acid profile and meet the requirements on L-Lysine for all animal species. Lysine is required as a building block for protein synthesis, a deficiency of lysine limits the synthesis of animal immunity-related proteins that include antibodies and cytokines to exert the necessary immune function.



|           |             |
|-----------|-------------|
| HS Code   | : 40023100  |
| CAS No.   | : 9010859   |
| Origin    | : China     |
| Packaging | : 25 kg bag |

## Specifications :

| Parameter      | Unit  | Specification                         |
|----------------|-------|---------------------------------------|
| Appearance     |       | White to off white crystalline powder |
| Lysine Content | %     | Min. 98.50                            |
| Loss on Drying | %     | Max. 0.50                             |
| Pb             | mg/kg | Max. 10.00                            |
| Arsenic        | mg/kg | Max 1.00                              |

## Applications :



Maintain growth rate and subsequent protein level



Source of amino acid and improvement amino acid balance



Suitable for Poultry, Swine, aqua.

# L-THREONINE

Threonine is an amino acid with the chemical formula of  $C_4H_9NO_3$  and is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group, a carboxyl group, and a side chain containing a hydroxyl group, making it a polar, uncharged amino acid. Threonine is synthesized from aspartate in bacteria such as E. coli. L - threonine has an effect on muscle growth and meat production efficiency. It is also one of several possible precursors of nonessential glycine acid, which is synthesized in an animal's body, and in this sense the threonine plays a part in the regulation of digestion.

HS Code

: 2922.50

CAS No.

: 72-19-5

Origin

: China

Packaging

: 25 kg bag



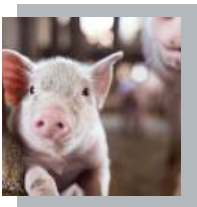
## Specifications :

| Parameter         | Unit  | Specification                         |
|-------------------|-------|---------------------------------------|
| Appearance        |       | White to off white crystalline powder |
| Threonine Content | %     | Min. 98.50                            |
| Loss on Drying    | %     | Max. 0.20                             |
| Pb                | mg/kg | Max. 10.00                            |
| Arsenic           | mg/kg | Max 1.00                              |

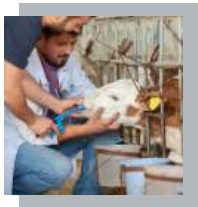
## Applications :



Serves as a source of energy, and regulated feed intake



Improves amino acid balance



Prevents threonine deficiency and enhance lysine absorption

# DL Methionine



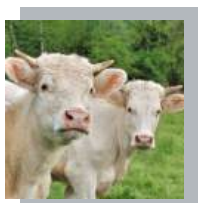
Methionine is a sulfur-containing amino acid that is essential for healthy and productive poultry. It is important for many different functions in the body. By producing methyl groups, methionine is responsible for a variety of metabolic reactions. It is also essential for cell proliferation and development.

HS Code : 2930.00  
 CAS No. : 59-51-8  
 Origin : China  
 Packaging : 25 kg bag

## Specifications :

| Parameter          | Unit | Specification                         |
|--------------------|------|---------------------------------------|
| Appearance         |      | White to off white crystalline powder |
| Methionine Content | %    | Min. 99.70                            |
| Loss on Drying     | %    | Max. 0.05                             |

## Applications :



**Essential nutrients to  
build protein-block**



**Important for  
overall growth and  
development of  
animals**



**Suitable for herbivore  
animals**



---

# CONTACT US

133 Cecil Street, #12-03 Keck Seng Tower,  
Republic of Singapore - 069535

Tel : +65-62276365

Fax : +65-62256286

Email : [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

---

