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**Rama Industries**

Manufacturer & Exporter of Guar Gum Split & Powder  
Government Recognised Export House Status

## PRODUCT PROFILE

### Ricol Extra Guar meal 45%

#### High Protein Natural Plant for Animal Feed

#### Typical Properties

Moisture.....	10.0 + 2.0%
Crude Protein.....	45.0 + 2.0%
Oil.....	4.0 + 1.0%
Fiber.....	14 % Max
Ash.....	5.0 + 1.0%
CHO (NFE).....	45.0 + 2.0%

#### Typical Analysis For Amino Acid In C45 %

Lysine	1.30%	Methionine	0.51%
Methio + Cystine	1.00%	Threonine	1.30%
Arginine	6.00%	Glycine	2.50%
Glycine + Serine	4.70%	Histidine	1.40%
Isoleucine	1.00%	Leucine	1.40%
Phenylalanine	1.50%	Valine	1.00%
Aspartic Acid	4.60%	Glutamic Acid	10.80%

#### Technical Information

Processed Extra Guar Meal is a high protein feed stuff. It is widely used as partial substitute of soy beans meal.

It is processed by toasting at high temperature to remove natural trypsin inhibitor. Thus enhancing its nutritive value and digestibility.

#### It's Advantages :-

- Free From Salmonella & Alfa toxin & E. Coli
- Free Flowing
- Can Be used as a binding agent
- 100% Non-GMO product
- Contains minimum 45% of "0

#### Dosage:-

- Poultry : 5-7%
- Swine : 5-7%

Proline	1.70%	Alanine	1.60%
Tyrosine	2.10%	Tryptophan	0.52%

All information is given in good faith but no guarantee of accuracy is made nor can we anticipate every possible application of our product nor variations in manufacturing equipment and methods. Our products are therefore sold without warranty express or implied, and on the condition that the purchaser relies on his own ability to determine the suitability of each product for a particular purpose. Statement concerning the possible use of our products are not intended as recommendations for use. No liability is accepted for infringement of any patents.

## **RICOL EXTRA GUAR High protein natural plant for animal feed**

Processed extra guar meal is a protein animal and poultry feed stuff. Guar meal is the by-product obtained after guar gum is extracted from guar seed (*Cyanosis' tetragonoloba*) of leguminous plant. It is processed by toasting at high temperature to remove natural trypsin inhibitor. Thus enhancing its nutritive value and digestibility. It is rich in proteins and carbohydrates, and is a 100% natural agricultural product without the addition of any chemicals or preservatives, Non-GMO product. Processed Extra guar meal can be used either in conjunction with other feed stuffs by itself, as it is a complete nutritional feed.

### **Advantage of processed Extra Guar Meal 45%**

- It is free from Free from Salmonella & Alfa toxin & E. coli, which often infects cottonseed meal.
- It is free flowing and therefore can be stored in silos, and does not create any problems in discharge.
- It is completely non-flammable.
- It contains average of minimum 45% "O & A" (Oil & Albuminoidal)
- It can be used as a binding agent for palletizing other feed compounds due to presence of residual gum.

- 100% Non-GMO product

## **Study Conducted at university of Agriculture, FAISALABAD (Department of Animal Nutrition)**

The below studies in Extra guar meal to broiler chicks, 4 to 12% rations in 2 experiments. Both showed that birds grew better and gained good weight when fed with guar meal and no harmful effects up to 12 % in broiler rations.

1. Good sources of CP : 91.10 % as true protein.
2. NFE ( Soluble Carbohydrates) : 45%
3. Crude Fiber Contents : 10%
4. ADF (Acid detergent fiber) : 17.77%
5. NDF ( Neutral detergent fiber) : 31.22%
6. GE ( Gross energy) : 4280 Kcal/kg
7. AME ( Apparent Metabolizable Energy ) : 49.93%
8. TME ( True Metabolizable Energy ) 3935 Kcal/Kg

## **Technical information**

Processed Extra guar meal is a high protein feed stuff. It is widely used as partial substitute of soya bean meals.

### It's Advantages:-

- Very good binder, give solid pallet
- Increase throughput > 15%
- High protein meal at> 15 to 20
- Free from salmonella & aflatoxin & E.coli
- Free flowing
- 100% Non-GMO product
- Contains minimum 45% of "O 7 A"