

**portajel**

**makro  
power**



## MOLASSES BASED LICKING GEL FOR RUMINANT ANIMALS

**INTENDED USE:** Makropower licking gel meets the nutrient need of animals in time, enough and balanced way when freely consumed. It is delicious and the licking activity provides rumen fermentation to be stable and balanced by stimulating saliva production. In rations which coarse fodder consuming is high, by increasing bacterial growth, it increases the digestibility of coarse fodder and the total feed consumption. With high protein, energy, rich amino acids, vitamins and minerals in its content, it supports the uptake of nutrients that animals need to be taken from outside. With B group vitamins and rich minerals, it enhances the resistance in stressful periods (winter conditions, movement, group change, pregnancy etc.) It contributes improvements in milk, meat and fertility, with the increasing of dry matter consumption. Protein, Energy, Vitamin and Mineral needs of animals grazing on pastures with poor grass quality can be met easily by putting Makropower freely in front of animals in pasture conditions. Makropower is quite effective in eliminating of estrus problems caused by lack of energy.

**USAGE:** It is recommended to put the licking bucket freely in front of the animals so that they can consume about 150-200 g per day for large ruminants, 30-50 g for calves, 20-30 g per day for sheep-goat-lambs and kids.

**COMPONENTS:** Sugar beet molasses, Calcium carbonate, Magnesium oxide, Sodium chloride, Amino acid complex, Fractionated bypass fat, Vitamin and Mineral Premix.

**WHAT IS WARM COOKING TECHNOLOGY?:** Warm Cooking Technology is the process of evaporating the water of sugar beet molasses by processing it below 55 °C. With this technology, the nutrients in molasses and the additives added can protect their healthy structure without losing. It is known that Acrylamide which is known as carcinogenic, is occurred by heating feed materials with high sugar content, above 90 degrees. With the warm cooking technology, the formation of Acrylamide is prevented and the nutrients are also preserved. You can give our products to your animals with confidence.

**Patent No:2022/ 000352**



| Active ingredients                                     | The name of Additive     | Quantity in Premix | Units |
|--|--------------------------|--------------------|-------|
| <b>Vitamins / Nutritional Additives</b>                |                          |                    |       |
| Vitamin A  | Retinol Acetate          | 125.650            | IU/kg |
| Vitamin D3   | Cholecalciferol          | 25.130             | IU/kg |
| Vitamin E  | Alpha-Tocopherol Acetate | 103                | mg/kg |
| Vitamin B1   | Thiamine                 | 10                 | mg/kg |
| Vitamin B2   | Riboflavin               | 11                 | mg/kg |
| Vitamin B3   | Niacin                   | 150                | mg/kg |
| Vitamin B5   | Calcium-d-Pantothenate   | 10                 | mg/kg |
| Vitamin B6   | Pyridoxine               | 15                 | mg/kg |
| Vitamin B7   | D-Biotin                 | 11                 | mg/kg |
| Vitamin B9   | Folic Acid               | 10                 | mg/kg |
| <b>Amino Acids / Nutritional Additives</b>             |                          |                    |       |
| Aspartic Acid  | L-Aspartic Acid          | 3.200              | mg/kg |
| Arginine   | L-Arginine               | 875                | mg/kg |
| Alanine  | L-Alanine                | 2.070              | mg/kg |
| Cysteine   | L-Cysteine               | 470                | mg/kg |
| Glutamic Acid  | L-Glutamic Acid          | 17.450             | mg/kg |
| Glycine  | L-Glycine                | 20.900             | mg/kg |
| Histidine  | L-Histidine              | 175                | mg/kg |
| Isoleucine   | L-Isoleucine             | 1.000              | mg/kg |
| Leucine  | L-Leucine                | 1.180              | mg/kg |
| Lysine   | L-Lysine                 | 2.500              | mg/kg |
| Methionine   | L-Methionine             | 380                | mg/kg |
| Phenylalanine  | L-Phenylalanine          | 735                | mg/kg |
| Proline  | L-Proline                | 640                | mg/kg |
| Serine   | L-Serine                 | 1.370              | mg/kg |
| Threonine  | L-Threonine              | 2.000              | mg/kg |
| Tryptophan   | L-Tryptophan             | 150                | mg/kg |
| Tyrosine   | L-Tyrosine               | 2.580              | mg/kg |
| Valine   | L-Valine                 | 880                | mg/kg |
| <b>Trace Minerals / Nutritional Additives</b>          |                          |                    |       |
| Iron (Fe)  | Iron Sulphate            | 2.100              | mg/kg |
| Iodine (I)   | Calcium Iodate           | 50,40              | mg/kg |
| Manganese (Mn)   | Manganese Oxide          | 2.530              | mg/kg |
| Copper (Cu)  | Copper Sulphate          | 509                | mg/kg |
| Cobalt (Co)  | Cobalt Sulphate          | 15,50              | mg/kg |
| Zinc (Zn)  | Zinc Oxide               | 3.540              | mg/kg |
| Selenium (Se)  | Sodium Selenite          | 10                 | mg/kg |
| <b>Vitamin like substances / Nutritional Additives</b> |                          |                    |       |
| Choline  | Choline Chloride         | 1.000              | mg/kg |
| <b>Analytical components</b>                           |                          |                    |       |
| Crude Protein  | 11,50%                   | Phosphorus (P)     | 1,10% |
| Calcium  | 4,65%                    | Sodium (Na)        | 3,00% |
| Crude fat  | 2,20%                    | Potassium (K)      | 2,35% |
| Crude Ash  | 35,50%                   | Magnesium (Mg)     | 3,60% |
| Sugar  | 33,50%                   |                    |       |

### PACKAGE FORM

| 5 KG BUCKETS | 20 KG BUCKETS | 25 KG BUCKETS | 50 KG BUCKETS | 75 KG BUCKETS |
|--------------|---------------|---------------|---------------|---------------|
|              | ●             | ●             | ●             | ●             |