

KALORI 3000

Spray dried molasses-based powder

Identification

Chemical Substances

Spray dried mixture of molasses and molasses fermentation solubles containing a small amount of hydrated lime.

Synonyms Dehydrated molasses, Molasses-CMS blend

Description

KALORI 3000 is a spray dried mixture of molasses and condensed molasses solubles (CMS). CMS is derived from molasses fermentation to produce ethanol. A small amount of hydrated lime is added to facilitate spray drying.

KALORI 3000 is a hygroscopic, fine free-flowing light brown powder.

KALORI 3000 is derived from molasses and contains small amounts of sugar residues which enhance its energy value and flavour.

Composition, Typical values

Protein	9 %
Total Phosphorus (P)	0.25 - 0.40%
Calcium (Ca)	4.5 – 7.0%
Free Moisture	4.0%
pH	10 – 10.5

Physical Properties

Appearance	chocolate powder
Bulk Density	(tamped) 0.71 kg/dm ³
Bulk Density	(untamped) 0.47 kg/dm ³
Hygroscopicity	attracts moisture

Recommended Use / Application

As an energy source, taste- and binding agent

- In supplementary feeds for cattle, horses, sheep and pigs add 5-10% KALORI 3000 to increase the energy content and palatability.

- Add 25 to 75 kg KALORI 3000 per ton complete mixed feed to increase the palatability and increase the energy content.
- Where feeds are to be pelleted, KALORI 3000 will help in the pelleting process. Add 25 kg KALORI 3000 per tonne of feed.
- Adding of KALORI 3000 to lick block formulations (5 – 15%) assures the drying and hardening of lick blocks.

Special Advantages

- High hygroscopicity enhances binding capacity and reduces dust in mixtures.
- Molasses-like aroma improves intakes.
- KALORI 3000 contains no animal by-products, growth stimulants or antibiotics.
- KALORI 3000 contains no urea.

P R O D U C T I N F O R M A T I O N

Quality Check References

Total Phosphorus	AOAC Official Method of Analysis, 1990, 15 th Ed. AOAC Method 957.02 B9e.
Total calcium	AOAC Official Methods of Analysis, 15 th Ed. 945.03 Ca (Acid-Soluble) in Fertilizers Titrimetric Method I Final Action
PH	1 % solution
Moisture (free moisture)	(AOAC) Official Methods of Analysis, 1990, 15 th Ed. 965.08 Vacuum-Desiccation Methods First Action 1965 – Final Action 1974.
Undesirable elements	AOAC Official Methods of Analysis, 15 th Ed., Cd, 974.27, As, 957.22.

Classification, packaging and labelling

KALORI3000 is packed in 25-kg plastic-lined multi-layer paper bags.

Handling and storage

KALORI 3000 should be stored in a cool dry place under cover and not directly on a concrete floor to ensure a shelf life of at least 2 years.

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