

EC FEED

Spray dried condensed molasses solubles

Identification

Chemical Substances

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

Synonyms CMS blend

Description

EC FEED is a spray dried 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.

EC FEED is a hygroscopic, fine free-flowing light brown powder.

EC FEED which is derived from molasses, contains small amounts of sugar residues which enhance its energy value and flavour.

Composition, Typical Values

Total Phosphorus (P)	0.12 - 0.18%
Calcium (Ca)	6 - 8.0%
Free Moisture	3.0%
pH	9.9 - 10.4

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/Applications

As an energy source, taste and binding agent

- ✍ In supplementary feeds for cattle, horses, sheep and pigs add 5-10% EC FEED 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, EC FEED will help in the pelleting process. Add 25 kg EC FEED per ton of feed.
- ✍ Adding of EC FEED to lick block formulations assures the drying and hardening of lick blocks and also enhances the palatability and weatherability of the blocks.

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Special Advantages

- High hygroscopicity enhances binding capacity and reduces dust in mixtures.
- Molasses-like aroma improves intakes.
- EC FEED contains no animal by-products, growth stimulants or antibiotics.
- EC FEED does not contain urea.

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

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

Handling and storage

EC FEED should be stored in a cool, dry place under cover and not directly on a concrete floor.

