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Product Details

CORN STEEP LIQUOR (CSL)

**A liquid protein source in livestock
and fish feed**



What's Corn Steep Liquor?

Corn Steep Liquor (often abbreviated as CSL) is a byproduct of the corn wet milling process. It's a thick, syrupy liquid that's rich in nutrients—especially amino acids, vitamins, minerals, and organic acids.

Corn Steep Liquor is a high-protein, high-energy feed ingredient made from the soluble fraction of corn kernels through a process. It is a viscous liquid mixture that dissolves completely in water. It contains many other nutrients.

Guaranteed Analysis

Dry matter (%): 55.56

Crude Protein (%): 30

Fat (%): 1.43

Nitrogen Free Extract (%): 7.84

Ash (%): 17.82

Lactic acid (%): 25.8

Phytic acid (%): 7.8





Nutritional Profile

- **High in proteins and peptides**
- **Contains lactic acid, amino acids, B vitamins, and minerals**
- **Rich in fermentable sugars and organic nitrogen**

Amino acids (alanine, arginine, aspartic acid, cysteine, glutamic acid, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, threonine, tyrosine, and valine) and polypeptides.

1. About 25% of the amino acids in CSL are alanine.
2. It contains about 3% phosphorus and potassium.
3. CSL has a low sugar content (1 to 2%) and a high lactic acid content (13 to 15%).
4. Lactic acid is produced by fermentation in steep water by bacteria.
5. Besides thiamine, CSL also contains substantial amounts of B-complex vitamins such as riboflavin, niacin, pantothenic acid, pyridoxine, and biotin.
6. Vitamins play an important role in stress reduction, nitrogen metabolism, and nutrient transport.
7. CSL contains very small amounts of heavy metals such as Al, Ce, Cu, Fe, Pb, Mn, Mo, and Zn, small amounts of S, and moderate amounts of Mg (about 1%), and P (2-3 %).

Dosage And Usage

It can be used separately as a liquid protein source in beef or dairy rations



It is used in liquid form in the preparation of feed for poultry, fish, goats, cattle, and ruminant animals. Widely used as a feed attachment and binder or pelleting agent in poultry feed and fish feed. Corn steep liquor is a premium additive for fish and livestock feed. Due to its high nutritional content (rich in vitamins, amino acids, and proteins), it is valuable for the enzyme, animal feed, and pharmaceutical industries.

1. It is used as a nutrient for microorganisms to produce enzymes, antibiotics, and other fermentation products.
2. It is combined with corn or other feed ingredients and is widely used in dairy and complete feed for cattle, poultry, swine, and pet food.
3. It can be used separately as a liquid protein source in beef or dairy rations.
4. Used in making fishing bait and fodder.
5. It is used as a binder or pelleting agent in feed.

A blue plastic bottle is on the left, and a glass beaker containing a dark brown liquid is on the right. The beaker has a scale on its side with markings at 150, 200, and 250 ml. The liquid level is approximately at the 200 ml mark. The text 'pH (4-5)' is overlaid in white on the blue bottle.

pH (4-5)

Humidity is around 50%. Due to high humidity, it requires special care for storage. pH (4-5). Due to its high phosphorus content, calcium supplementation is effective in maintaining the proper Ca:P ratio. It can be included up to 20% and 10% levels in the ration of calves and lactating cows. 5-10% can be used in fish feed and 5-7% in chicken feed.

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Supply Info

Origin: Brazil/India

Product Link: <https://pranisampad.com/>

Pack Size: 250 kg

Supply Ability: 100 Ton per Month

Minimum Order: 1 Ton

Delivery Time: 3 to 5 days

Payment Method: Bank payment

Supply Area: All over in Bangladesh

Others: Delivery charge free

Contact

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