

product description

Betafin[®] S4

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Betafin S4 is a highly purified source of feed grade anhydrous betaine, for use in pig, poultry and aqua diets.

Rate of use:

For poultry diets: 1-1.5 kg/tonne (0.1-0.15%) of finished feed, or as recommended by Danisco Animal Nutrition's Betacheck™ service for replacement of some supplementary methionine and choline in broiler diets.

For weaned piglet diets: 2 kg/tonne (0.2%) of finished feed.

For growing and finishing pig diets: 1.25 kg/tonne (0.125%) of finished feed or sufficient for equimolar replacement of some supplementary methionine and choline.

For lactating sow diets: 2 kg/tonne (0.2%) of finished feed.

For salmonids and other fish species: 5-10 kg/tonne (0.5-1.0%) of finished feed for osmoprotectant benefits and 3-10 kg/tonne (0.3-1.0%) of finished feed for attractant benefits.

For shrimp: 7-15 kg/tonne (0.7-1.5%) of finished feed for osmoprotectant benefits and 3-15kg/tonne (0.3-1.5%) of finished feed for attractant benefits.

Specification:

Betaine (HPLC)	min. 93 %
Moisture (KF-titration)	max. 1.5 % when packed
Calcium stearate (anti-caking agent)	3.0 – 5.0%
Chloride (titration)	max. 1000 ppm
Sulphate (limit test)	max. 1000 ppm
Heavy metals (limit test)	max. 10 ppm

Processing stability:

Heat stable up to 200°C (390°F). Calcium stearate (anti-caking agent) starts to melt above 150°C (300°F).

Storage stability:

24 months from date of manufacture when stored in original packaging.

Betafin S4 is water attracting (hygroscopic) in nature and so must be stored in unopened bags and protected from humidity to maintain shelf life.

Ingredients:

Betaine and calcium stearate (anti-caking agent).

Characteristics:

Appearance	Free-flowing, light brown crystals. The shade of brown may vary slightly from batch to batch.
Ash (residue on ignition)	Typically max. 1%
Fat (solvent extraction)	Typically max. 4%
Crude protein value (Kjeldahl)	Approx. 70%
Formula	(CH ₃) ₃ -N ⁺ -CH ₂ -COO ⁻
Molecular weight:	117.15

Package sizes:

Betafin S4 is available in:

- 25 kg polyethylene lined multi-wall paper bags, shrink wrapped on a one-way pallet.
Pallet sizes: 1000 kg and 1375 kg.
- 800 kg polyethylene lined polypropylene big bags with bottom valve (Betafin S4 800).

Handling:

Provide for good ventilation and avoid dust formation. It is recommended to use protective glasses, respiratory mask and gloves during handling. In case of accidental contact with skin or eyes, the only action needed is copious flushing with water. See the Material Safety Data Sheet for further information.

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