

## PRODUCT DESCRIPTION - PD 226321-7.0EN Material no. C10D0

### BetaPower™

High Purity betaine anhydrous-food grade

#### Application

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BetaPower™ is a highly purified source of food grade anhydrous betaine.

#### Processing stability

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Heat stable up to 200° C (390°F).

#### Properties

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BetaPower™ is supplied as free-flowing, white crystals, faint characteristic odour, as follows:

Molecular weight	117.15
Bulk volume	Typically 0.6-0.8 kg/l
Betaine solubility at 25° C in water	160 g/100g
Methanol	55 g/100g
Ethanol	8.7 g/100g

#### Physical/chemical specifications

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Betaine (HPLC)	min. 99 % d.s.
Moisture (Halogen drying)	max. 2 %(when packed)
Ash (conductometric)	max. 0.1 %
Chloride**	max. 50 ppm
Sulphate**	max. 100 ppm
Heavy metals (limit test)	max. 10 ppm
Arsenic (ICP-MS)	max. 1 ppm
Lead (ICP-MS)	max. 1 ppm
Colour (ICUMSA)	max. 20
pH (5% solution)	5-7

\*\* Ion Chromatographic Method

#### Microbiological specifications

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Total viable count	max. 100 cfu/g
Yeast colonies	max. 10 cfu/g
Mould colonies	max. 10 cfu/g
Coliforms	not detected
Salmonella	not detected
E.coli	not detected

#### Storage

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Recommended storage:

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

BetaPower™ is water attracting (hygroscopic) in nature and so must be stored in unopened cartons and protected from humidity to maintain shelf life.

#### Packaging

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BetaPower™ is available in 20kg cartons with polyethylene inner bag, shrinkwrapped on a one-way pallet. Pallet sizes: 1000kg.

#### Safety and handling

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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.

#### Kosher status

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BetaPower™ is KOSHER certified under the Orthodox Union Circle-U program.

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#### **Additional information**

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If the country of marketing is within the EU, we recommend that you liaise with the relevant national authorities with regards to gaining approval for the selling of betaine as a dietary supplement.

For further information please contact:

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