



# DuraBeet® Betaine PRODUCT DATA SHEET

## CRYSTALLINE BETAINES AS BETAINES ANHYDROUS

### GENERAL DESCRIPTION

- Chemical Name: Trimethylglycine, 1-carboxy-N,N,N-trimethylmethanaminiumhydroxide, inner salt, glycine betaine
- Chemical Formula: C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>
- Crystalline betaine as betaine anhydrous is produced from GMO-free sugar beets (Beta vulgaris, roots).
- Appearance: white, free-flowing crystals
- Odour, taste: pure, specific with faint molasses odour.

### REGULATORY COMPLIANCE

- The product complies to the current European and Austrian food law and is only permitted for the use as an ingredient in food supplements.
- **GMO:** does not contain genetically modified organisms, and is not derived from GMO, certified

### ANALYTICAL DATA

- Betaine content (on d.s., HPLC): min. 99,00 %
- Loss on drying (oven method): max. 2,00 % (when packed)

### MICROBIOLOGY

- Total plate count max. 100 cfu/g
- Yeast max. 100 cfu/g
- Mould max. 100 cfu/g
- Coliforms max. 10 cfu/g
- Salmonella negative/25 g

### FIELD OF APPLICATION

- For the use as ingredient in food supplements only (within the EU).

### DAILY INTAKE RECOMMENDATION for food supplements

- Up to 4 g/day. Proposed portion is 500 mg up to 1,5 g.
- Please, be aware that marketing of food supplements (such as maximum levels of betaine) must be adjusted to the rules of national markets.
- It should not consume together with other betaine-rich supplements.

### PERMITTED HEALTH CLAIM for food supplements

#### AGRANA Sales & Marketing GmbH

Reg. Office: Friedrich-Wilhelm-Raiffeisen-Platz 1, A-1020 Vienna  
Phone: 0043 2272-602-11274, Commercial Court Vienna, FN64061h, VAT: ATU16040004



- If the health claim "betaine contributes to normal homocysteine metabolism" is applied, the requirements of regulation EU 432/2012 must be observed.
- The beneficial effect is obtained with a daily intake of 1,5 g of betaine. One portion shall contain minimum 500 mg of betaine.

### **STORAGE AND SHELF-LIFE**

If properly stored under dry conditions at room temperature in sealed original packages, protected from direct sunlight and humidity (max. 70 % relative humidity): 24 months from production date

### **INFORMATION ON STABILITY**

Betaine is heat stable up to 200°C / 390°F

### **PACKAGING**

- In PE bags of 20 kg on pallets of 1000 kg

### **SAFETY INSTRUCTIONS**

Provide good ventilation to avoid formation of dust during handling. Due to the hygroscopic nature of the product, avoid prolonged contact with skin, eyes and mucous membranes. In case of accidental contact with skin or eyes, flush with water. For further information, please see the Material Safety Data Sheet.

### **CUSTOMS TARIFF NUMBER**

- 2923 900090

Above stated information is indicative only and no responsibility can be assumed. Recommendation is made to check suitability of our product by doing tests on your own.

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