



PURE BETAINE – POWER OF NATURE

DuraBeet® – the multifunctional ingredient for you!

ODuraBeet®

A TRADEMARK OF AGRANA

SOME FACTS:

PRODUCT DESCRIPTION

- 

100 % Natural betaine.
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Pure Food grade quality, produced from GMO-free sugar beets.
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Minimum 99 % betaine content.
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Free-flowing, white, crystalline product.
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Heat stable up to 200° C / 390° F.
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100 % Water soluble, 98 % Bio-utilized.
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Packaging: 20 kg PET bags; 36 months shelf life.

Order your sample now!

WHAT IS DURABEET®?

DuraBeet® is high purity, natural betaine, also known as trimethylglycine (TMG). Renowned for its health benefits, DuraBeet® is a popular ingredient in sports nutrition and health supplements.



PLANT-BASED,
NATURAL &
SUSTAINABLE



CELL PROTECTING,
REHYDRATING
OSMOLYTE



IMPROVES
STRENGTH &
POWER



IMPROVES
MUSCLE
ENDURANCE



MULTI-
FUNCTIONAL
INGREDIENT



PHYSIOLOGICAL FUNCTIONS OF BETAINE

- 1. Organic osmolyte:** As an osmolyte, betaine protects cells, proteins, and enzymes from environmental stress (dehydration, high salinity, extreme temperature).
- 2. Source of methyl groups:** Betaine is a strong methyl donor that participates in the conversion of homocysteine back to methionine preventing damages of the cardiovascular system.

THE MULTIPURPOSE-INGREDIENT

DuraBeet's ideal solubility allows it to be added to a variety of different products. It's a real upgrade for:

- > Functional Beverages

> Dairy based Applications

> Energy, Sports Drinks & Gels
- > Dietary Supplements

> Functional Bars

> Nutraceutical Gummies

- DAILY DOSE RECOMMENDATION**
needs to be defined depending on:
- > the regulatory frames ...
 - > desired end-product ...
 - > on the targeted consumer category ...

Recommended dosage
ranges from 0,5–3 g/day.

DURABEET® CLINICAL STUDY

KEY FINDINGS

Enhances Physical Performance

DuraBeet® supplementation (3 g/day for 2 weeks) significantly improved 60 km cycling trial performance, cutting cycling time by ~1.4 minutes. compared to placebo.

Accelerates Recovery

DuraBeet® positively influenced one-carbon metabolism, which plays a key role in cellular recovery and methylation processes.

Enhances Energy Metabolism

Metabolomics analysis revealed positive shifts in plasma metabolites, indicating improved energy utilization and biochemical efficiency during recovery.

Reduces Physiological Stress

Biomarkers including cortisol and indicators of muscle damage showed favorable profiles with DuraBeet®, suggesting reduced physiological stress.



Further information:



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