Super GABA10™

Germinated Brown Rice Fermentation Extract Containing γ-aminobutyric Acid

- Gamma-aminobutyric acid (GABA) is a non-protein amino acid widely found in plants and animals
- Derived from salted rice-bran paste
- Only a small amount is needed; can be added to meals
- Excellent solubility
- Minimal effect on flavor, has a pleasant, tangy taste typical of lactic fermentation
- High stability against heat and pH
- Economical price point

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GUZEN DEVELOPMENT
Ingredient Innovation and Sales

1547 Palos Verdes Mall, #131
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Tel: 925-938-2724
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A Promising Weapon Against Hypertension

**GABA:**
Gamma-aminobutyric acid (GABA) is a non-protein amino acid widely found in plants and animals.

Fujicco succeeded in isolating bacteria with high GABA production from salted rice-bran paste, and developed a proprietary lactic fermentation manufacturing method. The product is called Super GABA10. Applied to food, it has minimal effect on flavor while imparting the pleasant, tangy flavor distinct to lactic fermentation.

**GABA:** γ-aminobutyric acid
GABA is a type of amino acid synthesized by decarboxylase acting on glutaminic acid.

**The development of Fujicco’s lactic fermentation method**
The challenge was producing commercial concentrations of GABA when brown rice grains contain only around 0.01% GABA and even germinated brown rice only 3 to 5 times more than that. Fujicco identified and isolated a novel high-production bacteria from the rice bran. The result is an extract that far exceeds the GABA content of any existing product on the market. Super GABA10 has 500 times as much GABA as brown rice grains.

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>GABA Content</td>
<td>10% Min.</td>
</tr>
<tr>
<td>Appearance</td>
<td>Pale yellowish-white powder</td>
</tr>
<tr>
<td>Moisture</td>
<td>10% Max.</td>
</tr>
<tr>
<td>Ash</td>
<td>15% Max.</td>
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<tr>
<td>Arsenic</td>
<td>2ppm Max.</td>
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<tr>
<td>Total Aerobic Bacteria</td>
<td>1,000/g Max.</td>
</tr>
<tr>
<td>Coliform Bacteria</td>
<td>Negative</td>
</tr>
</tbody>
</table>

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