

RECIPE CARD

CHOCOLATE OAT BEVERAGE

KELCOGEL® HA-B Gellan Gum keeps all the ingredients stable in this indulgent-tasting dairy-alternative beverage.



| INGREDIENTS | % |
|--------------------------------|---------------|
| Cocoa Powder | 1.000 |
| Oat Flour | 4.000 |
| Vitamin & Mineral Premix | 0.529 |
| KELCOGEL® HA-B Gellan Gum | 0.032 |
| Sunflower Oil | 1.190 |
| Natural Vanilla Flavoring | 0.150 |
| Natural Chocolate Fudge Flavor | 0.300 |
| Sugar Flavor | 0.005 |
| Sugar | 5.000 |
| Salt | 0.080 |
| Water | 87.723 |
| Total | 100.00 |

INGREDIENTS

Oat Flour, Cocoa Powder, Vitamin & Mineral Premix, Sunflower Oil, Natural Vanilla Flavoring, Natural Chocolate Fudge Flavor, Sugar Flavor, Sugar, Salt, Water, Gellan Gum

PROCESS

Mixing Process

- Heat 70% of water to 60°C (140°F).
- Hydrate oat flour in water, mixing for 10 minutes.
- Cool the product below 40°C (122°F) by adding the rest of water at room temperature.
- Prepare a dry blend of hydrocolloid and 50% sugar, and disperse it in the flour solution under low shear for 20 minutes.
- Add sunflower oil and cocoa powder and mix for 10 minutes.
- Add remaining ingredients (flavors, salt, sugar, premix) and mix for 5 minutes.
- Heat treat product using UHT (ultra-high temperature processing) system at 140°C (284°F) for 6 seconds. Homogenize at 80-85°C (176-185°F): 1° step: 200bar and 2° step: 50 bar. Downstream.¹
- Fill into sterile bottles at 20-25°C (68-77°F).

Please note that in all stages of the process, air incorporation must be avoided.

| NUTRITION FACTS | |
|-----------------|------|
| Protein | 0.7% |
| Fat | 1.3% |

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¹To achieve commercial sterility, actual heat processing conditions may vary depending on product pH and processing capabilities.

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