

Fudge Brownie

BKY-01

Benefits of Novagel[®] BK 2132 cellulose gel:

- Offers fat mimetic properties that allows for reduction or elimination of fat content
- Provides a soft, short product which clears the palate well
- Novagel BK 2132 cellulose gel has no flavor and thus allows for a clean chocolate flavor profile

The unique fat mimetic property of Novagel BK 2132 cellulose gel enables formulators to create moist, chewy fudge brownie with reduced levels of fat and 33% lower caloric content. Novagel BK 2132 cellulose gel requires no activation and is easily incorporated with flour during production of brownies.

Formulation Guidelines:

<u>Ingredients</u>	<u>% by Weight</u>
Sugar	36.70
Cake flour	20.40
Corn syrup - 42 DE	11.60
Water	8.10
Cocoa powder, fat free	7.00
Liquid egg whites	5.40
Novagel BK 2132 cellulose gel*	5.00
Glycerine	4.00
Salt	0.80
Starch**	0.25
Emulsifier***	0.25
Baking powder	0.25
Vanilla flavor	<u>0.25</u>
	100.00%

* FMC BioPolymer

** Polar Gel[®] C instant starch, American Maize Products Corporation

*** EC25 emulsifier, Van den Bergh Foods Company

Processing Guidelines:

- Mix sugars, cocoa powder and emulsifier in Hobart® mixer at speed setting #1 for 1-2 minutes.
- Add water, egg whites and corn syrup. Mix for 2-3 minutes at speed #1.
- Add vanilla and glycerine, then mix until a smooth consistency is obtained; scrape sides of bowl.
- Add flour, Novagel® BK 2132 cellulose gel, salt and baking powder and continue to mix at speed #1 for 3-4 minutes, or until the batter has a smooth consistency.
- Pour into baking pan and bake at 178°C (350°F) for 22 - 30 minutes.

Regulatory Information

All products manufactured by FMC BioPolymer meet all standards of quality as defined by:

- US Code of Federal Regulations (21 CFR)
- Food Chemicals Codex
- J.E.C.F.A. Specifications issued by FAO/WHO
- European Economic Community Directives

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