



MINN-DAK GROWERS, LTD.

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MUSTARD FLOUR (FL-18) SPECIFICATION

This product shall comply in every respect with the Federal Food, Drug, and Cosmetic Act, Federal Laws, State laws, and the requirements of this specification.

Description

Milling North Dakota #1 grade oriental and yellow mustard seed with the bran largely removed and none of the fixed oil removed produces FL-18.

Characteristics

Physical

| | |
|--------------|--|
| Color: | Yellow to gold. |
| Odor: | Clean with characteristic mustard aroma. |
| Flavor: | Clean typical mustard flavor. |
| Texture: | Free from hard or caked lumps and foreign substances. |
| Granulation: | 99.0% Minimum thru a U.S. #40 mesh screen 95.0% Minimum thru a U.S. #60 mesh screen |

Chemical

| | | |
|---------------------|-------|---------|
| Moisture: | 6% | Maximum |
| Protein: | 25% | Minimum |
| Volatile Oil: | 0.75% | Minimum |
| Ash: | 6% | Maximum |
| Acid Insoluble Ash: | 1% | Maximum |

Ash & Acid Insoluble Ash are tested periodically as results have a minimum variance from year to year. If testing is required, additional costs are for buyer's account.

Microbiological

| | | | |
|-----------------------|----------|-------|---------|
| Standard Plate Count: | 10,000 | cfu/g | Maximum |
| Yeast: | 100 | cfu/g | Maximum |
| Mold: | 100 | cfu/g | Maximum |
| Coliforms: | 40 | cfu/g | Maximum |
| E. Coli: | <10 | cfu/g | |
| Salmonella | Negative | | |

Packaging

This product is normally packed in either 25kg or 50lb poly lined multi-walled paper bags. Product name, brand, and production code identify each bag.

Storage and Shelf-life:

Minimum shelf life of 24 months from date of manufacture; when transported and stored in a clean, dry, infestation free environment. Product should be stored away from excess heat, moisture, and direct sunlight.

Suitability Information

Non-GMO
Kosher Pareve
Halal Suitable
Vegetarian Suitable
Vegan Suitable

Country of Origin

USA

Natural / GRAS

Our products do not contain any animal derivatives, added color, artificial flavors or synthetic substances; nor have they been exposed to ethylene oxide treatment (ETO) or propylene oxide treatment (PPO).

Under FDA 21 CFR 182.10 "Spices and other natural seasonings and flavorings" Mustard is classified as "generally recognized as safe" (GRAS).

Precautionary Allergen Statement

Due to minor risk of cross-contamination from agricultural practices, this product may come in contact with wheat and other grains containing gluten (rye, barley, oats, triticale, kamut, spelt and their hybridized strains). We cannot guarantee that this product is "Gluten Free". Mustard seed and buckwheat seed share some of the same processing equipment. Procedures are in place to avoid cross-contamination within our facility.

Approval:



Title:

QA / QC Manager

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