# MINN-DAK AG LLC

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## BROWN MUSTARD SEED (B-1) SPECIFICATION

*The contents of this document are confidential and intended solely for Minn-Dak use.*

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

North Dakota #1 grade brown mustard seed.

### Characteristics

#### Physical

| | |
|---|---|
| Color: | Dark brown. |
| Odor: | Clean with characteristic mustard aroma. |
| Flavor: | Clean typical mustard flavor. |
| Texture: | Free from hard or caked lumps and foreign substances. |

#### Chemical

| | | |
|---|---|---|
| Moisture: | 9.0% | Maximum |
| Protein: | 23.0% | Minimum |
| Volatile Oil: | 0.80% | 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: | 200,000 | cfu/g Maximum |
| Yeast: | 5,000 | cfu/g Maximum |
| Mold: | 1,000 | cfu/g Maximum |
| Coliforms: | 100 | cfu/g Maximum |
| E. Coli: | <10 | cfu/g |
| Salmonella | Negative | /750g |

### Intended Use

This product is intended for use as an ingredient. Further processing is required for food safety.

### Packaging

This product is normally packed in 50lb poly lined multi-walled paper bags, 2000lb poly totes or shipped bulk. Product name, brand, and production code identify each bag.

## Storage and Shelf-life:

Minimum shelf life of 36 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 Certified
Vegetarian Suitable
Vegan Suitable
Gluten Free Certified*

*Minn-Dak will only provide the WFCF certified Gluten Free products per our customer request. The customer who requests the GF product, needs to notify the Minn-Dak Sales team of the preferred test frequency (ex. Each lot, etc.) on each purchase order (PO).

## Precautionary Allergen Statement

Due to the minor risk of cross-contamination from agricultural practices, non-gluten Free products 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 the regular product is "Gluten-Free" unless it is a Gluten-Free product. Please confirm with Minn-Dak Sales and QA team for the GF status. Mustard seed and buckwheat seed share some of the same processing equipment.

## 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).

Approval:  Issue Date: Jan 2026

Title: QA / QC Manager

Upon receiving the shipment Buyer must report to Minn-Dak Ag any damaged items within 10 days of receiving. Reporting must have evidence by video, photograph, and a detailed description of the condition of products and damage in which the item arrived. Minn-Dak Ag will not accept damage claims if products have been removed from their original pallet or box or if protective wrap or cardboard has been removed. Minn-Dak Ag is not responsible for shipping damage, like shifting of pallets, water damage, broken bags due to pallet movement, or mold.

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