



# MINN-DAK GROWERS, LTD.

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## ORIENTAL MUSTARD SEED (O-1) SPECIFICATION

*The contents of this document are confidential and intended solely for Minn-Dak Growers, Ltd. 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 oriental mustard seed.

### Characteristics

#### Physical

Color:	Yellow to 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:	25.0%	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:	150,000	cfu/g	Maximum
Yeast:	1,000	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. 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 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 MDGL 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 MDGL Sales and QA team for the GF status. Mustard seed and buckwheat seed share some of the same processing equipment.

## Country of Origin

USA/Canada

## 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: \_\_\_\_\_

Title: QA / QC Manager



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