

Northern Elite[®] Oat Groats are mechanically de-hulled oats.

1. Ingredient Description

Oats destined to become Northern Elite Oat[™] Groats are produced from oats selected for colour, plumpness, kernel size, bushel weight, low moisture and low foreign material.

Special care is taken through all stages of processing to ensure a consistently high quality product. Northern Elite Oat[™] Groats are used in all classes of livestock and pet foods. Oat Groats are traditionally used in pig starter; diets for growing and finishing pigs can include 60% groats (dehulled oats) instead of 20 to 40% oats. Oat Groats are a highly palatable, easily digestible source of protein and energy.

Northern Elite Oat[™] Groats are available in bulk, bags and mini bulk totes.

2. Properties

Whole Oat Groats are obtained by processing whole, clean, sound, dehulled oats in accordance with good manufacturing practices. The whole oat groats shall be uniform in size.

They must be reasonably free from broken, split or chipped groats, heat damaged grains, diseased grains, badly weathered damaged grains, wild oats, weed seeds, green oats, thin oats, unhulled oats, other grains, hull, sticks/stems and foreign material (stone, tramp metal, glass, etc).

The products will be free of rancid, bitter, musty or other undesirable flavours and odors, and free from all objectionable foreign material and substances.

No additives or preservatives shall be added. Product shall conform in all respects to the Canadian and U.S. Food and Drug Act as amended and applicable regulations there under.



3. Sensory

Organoleptic Properties:

- Flavor: It shall have a normal oat flavor, free from rancid, bitter, musty or other undesirable flavours.
- Aroma: It shall have a normal oat aroma, free from rancid, stale, sour or other undesirable odors.
- Color: It shall be creamy white to tan.

Northern Elite® Oats - Grade 2

4. Physical Specifications

| | |
|-------------------------------|-----------------|
| Color | White to golden |
| Moisture | 13.5% or less |
| Other Grains | 3% or less |
| Other Foreign Material | 1% or less |
| Weight | 325 grams/0.5 L |

5. Nutritional Composition

| NUTRIENT | TYPICAL AS-FED ANALYSIS |
|-----------------|--------------------------------|
| Crude Protein | 12% |
| Lysine | 0.53% |
| Crude Fiber | 1.9% |
| Crude Fat | 6% |
| Calcium | 0.08% |
| Phosphorous | 0.4% |

6. Packaging

The whole Oat Groats shall sell in various sizes of (bulk) bags, and bulk containers; special needs can be accommodated. Bags and containers shall be free from odors, rust, must, leaks, etc. and it is recommended to cover bulk grain to avoid excessive damage of the grain during transport.

7. Shelf Life / Storage

- Shelf life of 3 to 6 months from the date of production under recommended storage conditions
- Store at ambient temperature (21°C and RH <70%)
- Store away from strong odors, such as perfumed products, soaps, detergents, cleaning solutions, or any other such chemicals

8. Allergen Statement

This product contains no milk or milk products, eggs or egg products, peanuts or peanut products, tree nuts or tree nut products (almond, brazil nut, cashew, chestnut, hazelnut (filbert), macadamia nut, pecan, pine nuts, pistachio, or walnut), or seafood.

This product may contain trace amounts of sulphites (<1ppm). This product is not an identified oil allergen source.

**Raw oats are grown and harvested in areas common to other agricultural commodities, and may contain trace amounts of wheat or wheat gluten and other grains.*

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12805 – 97B Street, Grande Prairie AB Canada T8V 6K1
Tel: (780) 532-6043 Fax: (780) 539-7440
www.hiprofeeds.com

