

RICHARDSON

MILLING

Product Specification #4 Rolled Oats

#1 Can-Oat Drive
 Portage la Prairie, MB Canada
 R1N 3W1
 Telephone: 1-800-663-6287 1-204-857-9700
 Fax: 1-204-857-9500

Item Number: 101-001

Date Created: December 5, 2005

Physical/Chemical

Date Revised: May 1, 2013

Property	Minimum	Maximum	Units	Method
Granulation: U.S. #4	N/A	30.0	%	Internal Method 4.3.6
U.S. #7	60.0	N/A	%	Internal Method 4.3.6
U.S. #10	N/A	N/A	%	Internal Method 4.3.6
Receiving Pan	N/A	5.0	%	Internal Method 4.3.6
Flake Thickness	0.035	0.042	Inches	Internal Method 4.3.11
Hull / Slivers	0	5	# / 100 grams	Internal Method 4.3.8
Black Specks	0	1	# / 100 grams	Internal Method 4.3.8
Water Absorption	50	60	grams water/50grams sample, water @ 22-24°C	Internal Method 4.3.7
Bulk Density	23	N/A	lbs/ft ³	Internal Method 4.3.5
Enzyme Activity (Peroxidase)	Negative	Negative	Positive / Negative	AACCI 22-80.01
Moisture	N/A	12	%	AACCI 44-15.02
Protein (dry basis)	13	N/A	%	AOAC 992.15; AACC 46-30
Fat (as is)	5	10	%	AOAC 948.15; 922.06; 925.32; 950.54; 922.09 (Modified)
Free Fatty Acid (as oleic)	N/A	0.5	%	AOCS CA 5a-40
Total Dietary Fiber (dry basis)	9	N/A	%	AOAC 991.43 (Modified)
Beta-glucan (dry basis)	4	N/A	%	AOAC 995.16

*With regards to the Chemical Properties Acceptance Criteria, we acknowledge that there will be shifts in commercially available oats, and at times we may experience deviations regarding the set levels. Our intent is to always provide the highest quality possible, and if we experience such deviations, the results will be reported.

Microbiological Properties

Test	Specification	Method
Aerobic Colony Count	50,000 CFU/g Maximum	MFHPB-18
Yeast and Mold	1,000 CFU/g Maximum	MFHPB-22
Coliforms	100 MPN/g Maximum	MFHPB-19
<i>E. coli</i>	< 10 MPN/g Maximum	MFHPB-19
<i>Salmonella</i> spp.	Negative/25g Maximum	MFHPB-24
<i>S. aureus</i>	< 10 CFU/g Maximum	MFHPB-21

Product Description:

Oat products provided by Richardson Milling are manufactured from sound oats grown according to good agricultural practices. Raw oats are cleaned, de-hulled, and then heat-treated to produce an enzyme stabilized oat groat. The groats are then steamed and rolled into #4 rolled oat flakes, in accordance with good manufacturing practices.

Organoleptic Properties:

Flavour	Normal Oat Flavour
Aroma	Normal Oat Aroma
Color	Creamy White to Tan

Packaging:

Available in various sizes of multi-wall paper bags, IBC (bulk) bags, and bulk containers; special needs can be accommodated. Bags and containers shall be labelled in compliance with all applicable regulations including identification of the product, Company name, lot number and net weight.

Shelf Life/Storage:

Shelf life of a minimum of 12 months from the date of production under recommended storage conditions. Store at ambient temperature (70°F and RH <70%). Store away from strong odours, such as perfumed products, soaps, detergents, cleaning solutions, or any other such chemicals.

Lot Code Interpretation:

Coded with a thirteen/fourteen digit alpha-numeric number

- 101001 = Product code
- C = Package code
- 001 = Julian day code
- 0 = Last digit(s) of year
- A = Plant origin
- B = Time designation

Example: 101021C0010AB

Other Information:

INGREDIENT DECLARATION: 100% Rolled Oats* (See Allergen Statement)

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 (<10 ppm). 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, soybeans or soybean protein, mustard and other grains.

KOSHER: Oat Products produced by Richardson Milling are Kosher certified under the supervision and endorsement of the Orthodox Union (OU) of New York.

FLAVOURS: No added flavours or colors.

IRRADIATION: This product is not irradiated.

BSE STATEMENT: This product contains no components from an animal source.

GMO INFORMATION: This product contains no genetically altered plant material.

REGULATORY COMPLIANCE: Product shall conform in all respects to the Canadian and U.S. Food and Drug Act as amended and applicable regulations there under. The products will be free of rancid, bitter, musty or other undesirable flavours and odours, and free from all objectionable foreign material and substances. No additives or preservatives shall be added. Products are produced under the jurisdiction of the FDA and are listed in the CFR-Title 21 Subchapter B as "Food for Human Consumption" and are therefore, classified as non-hazardous materials.