

TECHNICAL DATA SHEET

1. PRODUCT NAME: Lentils (*Lens culinaris*) including:
 - a) Crimson
 - b) King Reds
 - c) Robin

2. COUNTRY OF ORIGIN: Canada, USA

3. QUALITY DATA:

Grade	Color	F.M.	Contrasting	Stain	Total Damage
#1	Good	0.2%	0.2%	1.0%	2.0%
#2	Reasonably Good	0.5%	0.5%	4.0%	3.5%
#3X	Fair	0.5%	2.0%	7.0%	5.0%
#3	Poor	1.0%	3.0%	No limit	10.0%

Note: Canadian Grain Commission Grading Charts are followed unless specified by customer.

4. DESCRIPTION: Raw, dry, threshed, sound lentils. Round and flat. Varying size (see above) and processing (whole, split, footballs). Through sieves, fans and other cleaning equipment, the lentils are uniform in size and cleaned to make contracted grade.
5. IMPORTANT PRODUCT CHARACTERISTICS: To prevent spoilage including mold and mycotoxin growth during storage, the product must be < 14% moisture.
6. NUTRITIONAL CONTENT (value per 100 g): *source Pulse Canada web site

Fat	1.1 g
Carbohydrates	60.1 g
Total Fibre	30.5 g
Protein	25.8 g
Calcium	56.0 mg
Iron	7.5 mg
Potassium	955 mg
Thiamin	0.29 mg
Niacin	2.57 mg
Folate	180 mcg

7. ALLERGENS: Allergens are within allowable limits.

8. **MICROBIOLOGICAL:** Acceptable levels of pathogenic bacteria including E.coli, Salmonella, Listeria and Campylobacter not likely to be exceeded since product is processed and/or cooked prior to consumption.
9. **PESTICIDE RESIDUES:** Pesticides applied as per Canada's Pest Management Regulatory Agency's Pest Control Products Act. Pesticide testing as per contract specification.
10. **GENETICALLY MODIFIED ORGANISM:** No genetically modified or transgenic lentil varieties have been generated commercially in Canada or the United States, so all commercial lentil classes are non-GMO.
11. **INTENDED USES:** Ready-to-eat soups, canned products for salads, vegetarian products, gluten-free applications, ethnic cuisine or repackaging in dry form for sale to the consumer.
12. **PACKAGING:**
 - a) New poly bags sized to order ranging from 25 lb – 4500 lb. The packaging does not damage or taint the product. Palletized bags have a cardboard liner placed between product and pallet.
 - b) Bulk containers are cleaned of all debris and inspected for holes and off-odors prior to filling.
13. **SHELF LIFE:** 2 years if kept in cool, dry, dark storage.
14. **GOOD MANUFACTURING PRACTICES**
 - a) The product is received, processed, packaged and stored in clean facilities kept in good repair. Sanitation and maintenance is documented.
 - b) Particular emphasis is placed on glass and metal contamination prevention.
 - c) Vehicles suitable for food handling and transport are used at all stages.
 - d) The product is free from insect and rodent infestation. Other foreign materials are controlled within specifications.
15. **CANADIAN GRAIN COMMISSION (CGC) CARGO MONITORING PROGRAM:** The CGC gives high priority to food safety issues and has a comprehensive program in place covering safety assurance of Canadian grains for toxic substances including heavy metals, mycotoxins, radionuclides and pesticide residues. Statements of Assurance from the CGC are available upon request.

