



## RIVER VALLEY RTE 50% CONVENTIONAL HEMP POWDER

**RiverValley RTE Conventional Hemp Powder**, produced by River Valley Specialty Farms is a natural food-grade, plant-based powder, isolated from the hemp seed. Hemp seeds are grown by River Valley Specialty Farms and other approved farms on the Canadian Prairies.

**RiverValley Specialty Farms** hemp production line is equipped with a validated **Gentle Processing™** production method, which enables a 5-log reduction, guarantees pathogen-free raw material, and enables applications for RTE (Ready to Eat) formulations.

**River Valley RTE Hemp Powder** is a milled cake, 100% derived from de-fatted hemp seed. The complete production process of cleaning, cold press oil extraction, purifying, milling and isolating is accomplished without the use of chemicals or solvents. The hemp-derived products produced by River Valley Specialty Farms are therefore all-natural and pure. Hemp Powder is light green by its natural colour, with a light nutty flavor. Hemp Powder can be used as a nutritious ingredient and additive in baking, breakfast and smoothie blends, salads, fruit and snack toppings, non-dairy beverages and various confectionery applications.

**Certifications:** River Valley Specialty Farms is a food-production facility approved by the Government of Manitoba; in addition, the facility has been issued a Safe Food for Canadians Act licence by the Canadian Food Inspection Agency. The plant operates under the PrimusGFS audited food safety program and is HACCP compliant. The production facilities are Kosher certified (OU Supervision), organic certified (Pro-Cert Organic, reg# PC2113) and gluten free.

**Ingredient Declaration:** 100% Canadian Hemp Powder, from Canadian Hemp Seeds, no additives.

**Physical description:** >99% purity of soft, light green, finely ground powder

**Chemical information:** fungicides/pesticides/herbicides – none detected or below minimum regulatory levels

**Sensory description:** a nutty, pleasant flavor with soft texture, easily digested

**Packaging:** 25 lb, 50 lb or 20 kg multi-wall bags; 2000 lb or 1000 kg tote bags

**Shelf life:** 24 months from date of manufacturing under recommended storage conditions.

**Storage conditions:** maintain in cool, dry warehouse; no exposure to sun light; humidity 30-50%





## RTE 50% CONVENTIONAL HEMP POWDER

### Ingredient Composition / Nutrition Facts / Microbiology

All analysis values stated below are typical values and may vary based on cultivars, varieties and climate conditions Per 100 g, serving on dry basis.

#### Certificate of Analysis Specifications

Total Plate Count	<10,000 CFU/g
Total Coliform	<100 CFU/g
E. Coli	None detected at <10 CFU/g
Salmonella	Negative in 375g
Yeast & Molds	<200 CFU/g
Gluten	<20 ppm
Moisture	6-10%
THC Content	<4 ppm
Calories	400 kcal
Cholesterol	0 g
Fat	9 g - 12 g
Carbohydrate	23 - 25 g
Protein	50% ± 5%
Ash	6 - 8 %
Ph	6.45

#### Fatty Acid Analysis

#### Per 100 g

Linoleic acid (LA) (Omega-6)	6.44 g
Alpha linolenic acid (ALA) (Omega-3)	2.05 g
Oleic acid (Omega-9)	1.15 g
Palmitic acid	0.71 g
Gamma linoleic acid (GLA) (Omega-6)	0.26 g
Stearic acid	0.45 g
Stearidonic acid (SDA) (Omega-3)	0.13 g
Arachidic acid	0.09 g
Behenic acid	0.04 g
C20 cis -11- eicosenoic	0.03 g
Conjugated linolenic acid (CIA)	0.04 g
C18:1 cis isomers	0.05 g
Lignoceric acid	0.02 g

#### Contact us at:

River Valley Specialty Farms

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Website: [www.rivervalleyfarms.ca](http://www.rivervalleyfarms.ca)

#### Amino Acid Analysis

#### Per 100g

Glutamic Acid	8.338g
Arginine	5.323 g
Aspartic acid	4.595 g
Leucine	3.04g
Valine	2.192g
Serine	2.287g
Alanine	1.943g
Phenylalanine	2.071 g
Glycine	2.013g
Proline	1.688 g
Tyrosine	1.407g
Isoleucine	1.718 g
Lysine	1.685g
Cystine	0.859g
Threonine	1.567 g
Histidine	1.222 g
Methionine	1.12 g
Tryptophan	0.38 g

**Free Fatty acids:** 0-2% (as Oleic acid)

**Peroxide Value:** 0 - 4 meq/kg

**Beta-carotene:** 64.5 IU/100 g

**Protein Digestibility:** 90%

**PDCAAS:** 0.48

**Amino Acid Score:** 0.56

**Net Protein Efficiency Ratio:** 0.66

