

PRODUCT DATA SHEET

Protina

PRODUCT DESCRIPTION

Formulation	High-quality upcycled protein concentrate, derived from Brewer's Spent Grains
Intended use	Food applications
Form	Powder
Colour	Off-white to beige
Flavour & Odour	Mild malt flavor and Free from objectionable odors
Botanical origin	Barley Grain (<i>Hordeum vulgare</i>)
Ingredient Declaration	<i>Dried protein concentrate produced from a whole Barley Grain</i> (<i>Hordeum vulgare</i>)

INGREDIENT(S)

100% fractionated spent grain (>80% barley, <20% wheat/corn/rice)

PRODUCTION SUMMARY

Barley-rich spent grains are fractionated using the *Terra Upcycling Platform* where complex fiber is broken down and removed along with soluble carbohydrates. The remaining protein-rich and fiber-rich materials are dried.



NUTRITION

Item (Method)	PER 100g
Energy kcal	443 kcal
Moisture (AACC Method 44-15A)	6.7%
Protein (AOAC 2001.11)	52%
Fat (AOAC 996.06)	18.8%
Total Dietary Fiber (AOAC 991.43)	16%
Total Sugars (AOAC 980.13)	2%
Ash (AOAC 923.03)	5%

Monounsaturated Fat	2.5%
Polyunsaturated Fat	10%
Omega 9	2%
Omega 6	9%
Omega 3	1%
Cholesterol	0 mg
Saturated Fat	5%
Trans Fat	0%
Vitamin A	316 RE/100g
Vitamin C	3 mg
Vitamin E	4 mg
Sodium	1.8%
Potassium	20 mg
Calcium	200 mg
Iron	22 mg

QUALITY MEASURES

Heavy Metals (Method)	TARGET
Arsenic (AOAC 2015.01)	<0.02 ppm
Cadmium (AOAC 2015.01)	<0.2 ppm
Lead (AOAC 2015.01)	<0.1 ppm
Mercury (AOAC 2015.01)	<0.003 ppm
Microbiological (Method)	TARGET
Total Aerobic Bacteria (MFHPB-33)	<10000 cfu/g
Yeast & Mold (MFHPB-22)	<150 cfu/g
Aflatoxins (AOAC 994.08)	nd.
Coliforms (MFHPB-34)	<5 cfu/g
E. coli (MFHPB-34)	<5 cfu/g
Salmonella in 25g (MFHPB-20)	-/ve
Allergens List	CONTAINS (YES/MAY CONTAIN/NO)
Barley	YES
Cereals containing Gluten: Wheat, Oats, Rye	YES
Peanuts and derivatives	NO
Nuts and derivatives	NO
Sesame seeds and derivatives	NO

Crustacea, mollusks, or fish and derivatives	NO
Milk, Eggs and derivatives	NO
Soybeans and derivatives	NO
Celery and derivatives	NO
Mustard and derivatives	NO
Lupin and derivatives	NO
Sulphites over 10mg/kg	NO

Dietary suitability

Vegan	Suitable for vegan
Animal origin	Not derived from or manufactured with products of animal origin

Food safety and compliance

PROTOTYPE DISCLAIMER

This is a pre-market sample, meaning some information may be missing or incomplete. Handle with care.

Canada Food Status

Protina (a powder with 55.1 % of proteins content produced from a whole Barley Grain (*Hordeum vulgare*)) is considered not novel, and as such, is not subject to pre-market notification under B.28.002 of the Food and Drug Regulations. (2023-058302)

PRODUCTION ADDRESS

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PRIMARY CONTACT

ACCOUNT

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