

Tendra[®]

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Description

Tendra[®] is a clean and mild tasting protein isolated from Fava beans. As this protein is stable in solution it can easily be applied in mild applications like dairy alternatives and functional drinks. Furthermore, Tendra is a very strong emulsifier making it suitable for applications like vegan ice cream and dressings. The ingredient can be used either at low dosage levels as an emulsifier and/or at high levels to provide nutritional value.

Composition

Dry matter content 91 - 99 %

Composition on dry matter

Protein	85 ± 3 %
Carbohydrates	≤ 5 %
Of which sugars	≤ 3 %
Ash	≤ 6 %
Fat	≤ 2 %
Heavy metals comply with EU regulations for foodstuffs (As ≤0.1 ppm; Pb ≤0.1 ppm; Cd ≤0.01 ppm; Hg ≤0.01 ppm)	

Nutritional Information

Average values per 100 gram powder

Energy value	1561 kJ / 372.9 kcal
Moisture	4.8 gram
Protein	84.3 gram
Carbohydrates	3.1 gram
Of which sugars	1.4 gram
Fiber	3.5 gram
Fat	0.3 gram
Of which saturated	0.1 gram
Salt	0.5 gram
Cholesterol	Negligible
Vitamin B (B1, B2, B3, B6 & B9)	0.8 mg
Vitamin E	0.7 mg
Vitamin K1	43.8 µg
Minerals	
Potassium	1000 mg
Calcium	120 mg
Iron	14 mg

Microbiological Specification

Aerobic plate count 30 °C	≤ 100.000 CFU/g
Moulds	≤ 200 CFU/g
Yeasts	≤ 200 CFU/g
Listeria monocytogenes	Not detected / 25 g
E. Coli	Not detected / 25 g
Salmonella spp.	Not detected / 25 g

Typical Product Characteristics

Appearance	Fine off-white powder
Solubility at natural pH	Good
pH	7.0 - 8.0
Taste	Mild / neutral taste

Other information

Packaging	10 kg white multi-layer paper bag with colored PE inner liner.
Labeling	The product can be labeled as fava bean protein, fava bean protein isolate, fava protein isolate, faba protein isolate. Further information available upon request.
Storage	The product should be stored under dry conditions, at room temperature (≤ 25 °C) in the original unopened bag.
Shelf life	2 years from production date in unopened bags. Best before date is printed on each bag.
Non GMO	No labeling as a GMO derived ingredient is needed for application of this product according to Directive 2001/18/EC and Regulation (EC) No.1829/2003 & 1830/2003.
Allergens	The product contain traces of sulfite in concentration < 60 mg/kg. In addition, the raw material nor the process additives used, are free from all other allergens and products thereof as listed in Regulation (EU) No 1169/2011 or in US FDA Food Allergen Labelling and Consumer Protection Act of 2004 (FALCPA).
Vegan	Suitable for vegans and vegetarians
Kosher and Halal	The product is Kosher and Halal certified. Further information available upon request.
Analysis	Methods of analysis available in request

The Cosun Protein team will support you with information. Visit our website www.cosunprotein.com or feel free to contact use at info@cosunprotein.com or call us at +31 165 516 015

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