

SUNCOL- 50FP

(Protein Rich Part of Fenugreek Seeds)

Fenugreek (*Trigonella foenum-graecum* L.) is one of the oldest medicinal plants from Fabaceae family. It is an annual legume cultivated in more than 20 countries of Asia including India, Europe, Africa and USA.

Commercially, Fenugreek seeds are the most important and useful part of Fenugreek plant. These seeds are golden-yellow in colour, small in size, hard and have four-faced stone like structure.

Sunita Hydrocolloids Pvt. Ltd. (SHPL) has developed state of the art technology to separate out seed endosperm after removing seed coat & germ parts. Seed endosperm is composed of water soluble galactomannan polysaccharides while seed coat & germs parts are rich in different bioactive compounds like protein, saponins, phenols etc.



SHPL is offering SUNCOL-50FP, which is purified protein rich part of Fenugreek seeds, can be used as good source of protein in food applications.

General Parameters	Specification
Plant Species	<i>Trigonella foenum-graecum</i>
Physical State	Solid
Appearance	Beige to light brown powder
Odor	Characteristic odor

Preservative	Nil
GMO Compliance	Non GMO
Irradiation	Not irradiated

Physico-chemical Parameters

Moisture	Max. 10%
Total Ash	Max. 5%
Protein Content	Min. 45 %
Fat Content	Max. 5%
Saponins	< 1%

Amino Acid Profile

Alanine	2.00%
Arginine	6.04%
Aspartic Acid+Asparagine	4.91%
Cystine	0.00%
Glutamine+Glutamic Acid	8.27%
Glycine	2.40%
Histidine	1.34%
Isoleucine	2.49%
Leucine	3.71%
Lysine	2.43%
Methionine	0.42%
Phenylalanine	2.70%

Proline	2.34%
Serine	2.65%
Threonine	2.14%
Tryptophan	0.74%
Tyrosine	1.94%
Valine	2.25%
Total Amino Acids	48.77%
In Vitro Digestibility	96.0%

PDCAAS

Infant (<1 Year)	0.8%
Pre-School Children (2-5 years)	0.8%
Children (6-12 years)	1.1%
Adults (>13 years)	0.5%

Microbiological Parameters

Total Plate Count	Max. 5000 cfu per g
Yeast & Moulds	Max. 500 cfu per g
E.coli	Absent per 25 g
Salmonella	Absent per 25 g

Shelf Life- Best if used within 24 months from the month of manufacture, under proper storage conditions.

Recommended Storage Conditions- Store in a cool, dry, ventilated area, away from sources of heat or ignition.

Packaging Details- 25 Kg paper bag or as per requirement.