



SMILAX PSYLLIUM IMPEX LLP

CHAKSU, JAIPUR

QUALITY CONTROL DEPARTMENT

RESTRICTED CIRCULATION

FINISHED PRODUCT SPECIFICATION

TITLE: PSYLLIUM HUSK 98%

Specification No.:	SPI/FPS/02(00)-04	Remarks:	NA	
Issue No.:	05	Effective Date:	25/03/24	
Revision No.:	04	Revision Date:	24/03/29	
Supersede Specification No.:	SPI/FPS/02(00)-03	Page No.:	1 of 9	

SPECIFICATION SHEET

Product Name	PSYLLIUM HUSK 98% PURE U.S.P./EP.
Part Used	Seed
Composition	Psyllium Husk – 98% Psyllium crushed seed – 2%
Botanical Source	<i>Plantago Ovata</i>
Harmonized system tariff no.	12119032
Classification	PH. EUR. / USP, FOOD GRADE
Application	Nutraceuticals. Food, Feed, Pet Food
Country of Origin	INDIA
Preservative	None
Shelf Life	3 Years from the date of manufacture
Cultivation	Harvested

	Prepared By	Checked By	Approved By
Name	Shyoji Ram	Ray Singh	Dr. Kapil Kumar
Designation	QC Executive	Sr. QA Executive	Quality Head
Signature			
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Sr. No	Test	Specification
1.	Description	Husk consists of Pinkish-beige fragments or flakes upto 2mm long & 1mm wide, much broken into smaller fragments and has weak characteristic odor. Many of the flakes have a small brownish, oval spot, about 0.8 to 1.0mm long in the center. Material swells rapidly in water, forming a stiff mucilage.
2.	Identification	A. Occasional single and 2- to 4-compound starch granules, the individual grains being spheroidal plano to angular convex from 2–10 µm in diameter, are found embedded in the mucilage. Entire or broken epidermal cells are filled with mucilage. B. In surface view, the epidermal cells appear polygonal to slightly rounded. Mucilage stains red with ruthenium red TS and lead acetate TS. C. Some of the elongated and rectangular cells representing the lower part of epidermis and also radially swollen epidermal cells can be found.
3.	Total ash	NMT 4.00 % w/w.
4.	Acid insoluble ash	NMT 1.00 % w/w.
5.	Loss on drying	NMT 12.00 % w/w.
6.	Swell Volume	NLT 40.0 ml/ gm.
7.	Light Extraneous Matter	NMT 2.00 % w/w.
8.	Purity	NLT 98.00 % w/w.
9.	pH (1.0 % w/v solution)	Between 5.50 to 7.50
10.	Foreign Smell / Test	None
11.	Foreign Bodies (Stones, Glass & Metals)	None

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12.	Total consumable Fiber	NLT 85.0% w/w
13.	Eggs Larvae or Whole Insects	Absent
14.	Insect infestation	NMT 100 fragments/ 25gm.
15.	Particle Size	a) NLT 60 % w/w should be retained on 30#
		b) NMT 2.0% should pass through 70#
16.	Microbial Contamination	
	Total Aerobic Microbial Count (TAMC)	NMT 10000 cfu/gm
	Total Yeast and Mold Count (TYMC)	NMT 1000 cfu/gm
	Pathogens	
	Escherichia Coli	Must be absent/gm
	Salmonella Spp	Must be absent/ 25gm
	Pseudomonas Aeruginosa	Must be absent/gm
	Staphylococcus Aureus	Must be absent/gm
17.	Heavy Metals	
	Lead (As pb)	NMT 2 ppm
	Mercury (As Hg)	NMT 0.1ppm
	Arsenic (As As)	NMT 0.3 ppm
	Cadmium (As Cd)	NMT 0.5ppm
18.	Other contamination and information	
	Allergens	Must be absent

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Ethylene Oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	Must be absent
Aflatoxins B1	Must be absent
Aflatoxins B1, B2, G1, G2,	Must be absent
Pesticide & mycotoxins	As per USP-561 & EU 396/2005 (Meets Requirement)
Certified	Kosher, Halal, FSSC 22000:2018, GMP, HACCP
Ionization	Not treated with Ionising radiation at any step during production. Also, no ingredient is used in the manufacturing process which has been treated with Ionising radiation.
Regulation	European Pharmacopoeia/ United States Pharmacopoeia
GMO	Psyllium Husk is the epidermis and outer coating obtained from the dried ripe seeds of the plant Plantago Ovata, which is not a Genetically Modified Organism (GMO).
Vegan/ Vegetarian	Suitable for a Vegan and Vegetarian diet
Storage	Store in well closed container away from moisture and secure against insect infestation.
Packaging	25Kg – HDPE Brown laminated Paper Bags with inner poly liner 450Kg/ 950kg - Jumbo Bag made of circular coated PP woven, white colour fabric, UV stabilized.
Shelf life	3 Years

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	Packing size	Available in 25kg, 450kg, 950Kg
	Palletization	Available with wooden/ plastic palletization

19. Nutritional Information (per 100gm)

Calories/Nutrient	Amount
Energy	148.96 kcal
Fat	0.5 g
of which	
Saturates	0 g
Carbohydrate	85.60 g
of which	
Sugars	0 g
Fiber	85.60 g
Soluble Fiber	62.49 g
Insoluble Fiber	23.11 g
Protein	4.87 g
Vitamins and Minerals	
Calcium	307.75 mg
Manganese	0.25 mg
Sodium	130.87 mg

20. Control Point

CCP-01	Sortex Machine
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	CCP-02	Metal detector
	OPRP-01	De stoner
21.	Metal detection level	
	Ferrous	1.8mm
	Non Ferrous	2.0mm
	Stainless steel	2.2mm
22.	Regulatory certificate	
	FSSC 22000	Certified
	ISO 22000:2018	Certified
	ISO 9001:2015	Certified
	SEDEX	Certified
	Halal	Certified
	GMP	Certified
	HACCP	Certified
	US FDA Registration	Certified
	Kosher	Certified
	FSSAI-India	Certified
23.	Other information- Food Additives/ Dietary Information	
	Colours	None
	Preservatives	None
	Antioxidants	None

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	Sweeteners	None
	Emulsifiers	None
	Stabilizers	None
	Thickeners	None
	Gelling agents	None

24. Allergen statement

S. No.	Allergen	PRESENT IN PRODUCT	PROCESSED ON EQUIPMENTS	USED ON SITE
1	Cereals containing gluten, namely: wheat (such as spelt and khorasan wheat), rye, barley, oats or their hybridised strains, and products thereof;	NO	NO	NO
2	Crustaceans and products thereof;	NO	NO	NO
3	Egg and products thereof;	NO	NO	NO
4	Fish and products thereof;	NO	NO	NO
5	Peanuts and products thereof;	NO	NO	NO
6	Soybeans and products thereof;	NO	NO	NO

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7	Milk and products thereof (including lactose)	NO	NO	NO
8	Nuts , namely: almonds (<i>Amygdalus communis</i> L.), hazelnuts (<i>Corylus avellana</i>), walnuts (<i>Juglans regia</i>), cashews (<i>Anacardium occidentale</i>), pecan nuts (<i>Carya illinoensis</i> (Wangenh.) K. Koch), Brazil nuts (<i>Bertholletia excelsa</i>), pistachio nuts (<i>Pistacia vera</i>), macadamia or Queensland nuts (<i>Macadamia ternifolia</i>), and products thereof, except for nuts used for making alcoholic distillates including ethyl alcohol of agricultural origin;	NO	NO	NO
9	Celery and products thereof	NO	NO	NO
10	Mustard and products thereof	NO	NO	NO
11	Sesame seeds and products thereof	NO	NO	NO

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12	Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre in terms of the total SO ₂ which are to be calculated for products as proposed ready for consumption or as reconstituted according to the instructions of the manufacturers;	NO	NO	NO
13	Lupin and products thereof	NO	NO	NO
14	Molluscs and products thereof	NO	NO	NO

Control sample quantity: 2 X 200 gm.

Control sample evaluation period: Once in a year or as and when needed.

REVISION HISTORY:

Revision No.	Revised on	Reference CC No.	Reason for Revision
00	NA	NA	New document
01	23/03/18	NA	Periodically review
02	23/03/20	NA	Specification Updated
03	31/03/21	NA	Change of Header
04	25/03/24	NA	Periodically review

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