

SMILAX PSYLLIUM IMPEX LLP

CHAKSU, JAIPUR

FSSAI Lic No. – 10021013000080 US FDA Food Facility Reg. No. - 1074958667

Email: sales@smilaxgroup.net; Website: www.smilaxpsyllium.in

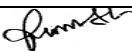
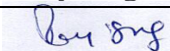
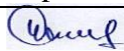
QUALITY CONTROL DEPARTMENT

CERTIFICATE OF ANALYSIS

(FINISHED PRODUCT)

Product Name:	PSYLLIUM WHOLE HUSK 85%		
USFDA Reg No:	10749586678	A. R. No.:	SPL-R240823-04
Batch No.:	1100824-SPL	Pack Size:	25 Kg
Mfg. Date:	Aug. 2024	PO No:	AGR-ZM 028/08/2024
Exp. Date:	Jul. 2027	Sample Quantity:	0.5 KG {Approx}
Batch Size:	1100	Analyzed By:	Ramesh Chand
Product Code:	HUS/85	Date of Analysis:	23/08/24
Specification No.:	SPI/FPS/06 (00)-04	Release Date:	05/09/24
Ref. STP No.:	SPI/STP/04 -01	Manufactured For:	AGREMA

Sr. No	Test	Specification	Results
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.	Complies
2.	Identification	A. Occasional single and 2- to 4-compound starch granules, the individual grains being spheroidal plano to angular convex from 2–10 μ m 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.	Complies Complies Complies
3.	Total ash	NMT 4.00 % w/w.	3.17 % w/w
4.	Acid insoluble ash	NMT 1.00 % w/w.	0.41 % w/w
5.	Loss on drying	NMT 12.00 % w/w.	8.75 % w/w
6.	Swell Volume	NLT 40.0 ml/ gm.	48.20ml
7.	Light Extraneous Matter	NMT 15.00 % w/w.	13.18 % w/w

	Analysis By	Checked By	Approved By
Name	Ramesh Meena	Ray Singh	Dr Kapil Kumar
Sign.			
Date	05/09/24	05/09/24	05/09/24
Designation	QC Chemist	QA Execeive	Quality Head

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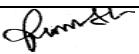
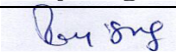
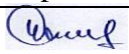
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8.	Purity	NLT 85.00 % w/w.	86.82 % w/w
9.	Foreign Smell / Test	None	Compiles
10.	Foreign Bodies (Stones, Glass & Metals)	None	Compiles
11.	Total consumable Fiber	NLT 65.0% w/w	69.88 % w/w
12.	Eggs Larvae or Whole Insects	Must be Absent	Absent
13.	Insect infestation	NMT 100 fragments/ 25gm.	60 fragments
14.	Particle Size	NLT 35 % w/w should be retained on 30#	58.70 % w/w
		NMT 15 % w/w should pass through 70#	6.10 % w/w
15.	Microbial Contamination		
	Total Aerobic Microbial Count (TAMC)	NMT 10000 cfu/gm	2870cfu/gm
	Total Yeast and Mold Count (TYMC)	NMT 1000 cfu/gm	Below 100cfu/gm
	Pathogens		
	Escherichia Coli	Must be absent/gm	Absent
	Salmonella Spp	Must be absent/ 25gm	Absent
	Pseudomonas Aeruginosa	Must be absent/gm	Absent

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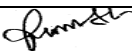
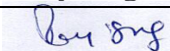
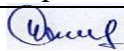
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	Staphylococcus Aureus	Must be absent/gm	Absent
16.	Heavy Metals		
	Lead (As pb)	NMT 2 ppm	0.77ppm
	Mercury (As Hg)	NMT 0.1ppm	BLQ (LOQ 0.01ppm)
	Arsenic (As As)	NMT 0.3 ppm	BLQ (LOQ 0.01ppm)
	Cadmium (As Cd)	NMT 0.5ppm	BLQ (LOQ 0.01ppm)
17.	Other contamination and information		
	Allergens	Must be absent	Absent (LOQ 20ppm)
	Ethylene Oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	Must be absent	Absent
	Aflatoxins B1	Must be absent	Absent
	Aflatoxins B1, B2, G1, G2	Must be absent	Absent
	Pesticide & mycotoxins	As per USP-561 & EU 396/2005 (Meets Requirement)	Absent
	Certified	Kosher, Halal, FSSC 22000:2018, GMP, HACCP	Complies

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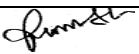
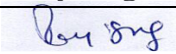
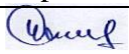
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Ionization	Not treated with Ionising radiation at any step during production. Also, no ingredient is used in the manufacturing process which has been treated with Ionising radiation.	Complies
Regulation	European Pharmacopoeia/ United States Pharmacopoeia	Complies
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).	Complies
Vegan/ Vegetarian	Suitable for a Vegan and Vegetarian diet	Complies
Storage	Store in well closed container away from moisture and secure against insect infestation.	Complies
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.	25Kg – HDPE Brown laminated Paper Bags with inner poly liner
Shelf life	3 Years	Complies
Packing size	Available in 25kg, 450kg, 950Kg	25kg
Palletization	Available with wooden/ plastic palletization	Complies
18.	Nutritional Information (per 100gm)	

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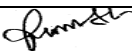
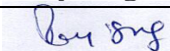
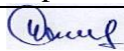
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	Calories/Nutrient	Amount	Results
	Energy	138.96 kcal	Complies
	Fat	0.6 g	Complies
	Saturates	0 g	Complies
	Carbohydrate	75.60 g	Complies
	Sugars	0 g	Complies
	Fiber	75.60 g	Complies
	Soluble Fiber	52.49 g	Complies
	Insoluble Fiber	17.11 g	Complies
	Protein	6.87 g	Complies
	Vitamins and Minerals		
	Calcium	307.75 mg	Complies
	Manganese	0.25 mg	Complies
	Sodium	130.87 mg	Complies
19.	Control Point		
	CCP-01	Sortex Machine	Complies
	CCP-02	Metal detector	Complies
	OPRP-01	De stoner	Complies

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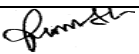
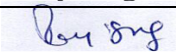
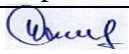
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20.	Metal detection level		
	Ferrous	1.8mm	Complies
	Non Ferrous	2.0mm	Complies
	Stainless steel	2.2mm	Complies
21.	Regulatory certificate		
	FSSC 22000	Certified	Complies
	ISO 22000:2018	Certified	Complies
	ISO 9001:2015	Certified	Complies
	SEDEX	Certified	Complies
	Halal	Certified	Complies
	GMP	Certified	Complies
	HACCP	Certified	Complies
	US FDA Registration	Certified	Complies
	Kosher	Certified	Complies
	FSSAI-India	Certified	Complies
22.	Other information- Food Additives/ Dietary Information		
	Colours	None	Complies
	Preservatives	None	Complies

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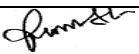
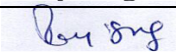
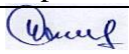
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	Antioxidants	None	Complies
	Sweeteners	None	Complies
	Emulsifiers	None	Complies
	Stabilizers	None	Complies
	Thickeners	None	Complies
	Gelling agents	None	Complies

23. Allergen statement

S. No.	Allergen	Present in product	Processed on Equipments	Used on	Results
1	Cereals containing gluten, namely: wheat (such as spelt and khorasan wheat), rye, barley, oats or their hybridised strains, and	NO	NO	NO	Complies
2	Crustaceans and products thereof;	NO	NO	NO	Complies
3	Egg and products thereof;	NO	NO	NO	Complies
4	Fish and products thereof;	NO	NO	NO	Complies
5	Peanuts and products thereof;	NO	NO	NO	Complies
6	Soybeans and products thereof,	NO	NO	NO	Complies
7	Milk and products thereof (including lactose)	NO	NO	NO	Complies

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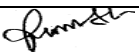
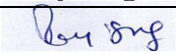
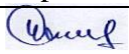
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8	Nuts , namely: almonds (<i>Amygdalus communis L.</i>), hazelnuts (<i>Corylus avellana</i>), walnuts (<i>Juglans regia</i>), cashews (<i>Anacardium occidentale</i>), pecan nuts (<i>Carya illinoensis</i> (Wangenh.) K. Koch), Brazil nuts (<i>Bertholletia 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	NO	NO	NO	Complies
9	Celery and products thereof	NO	NO	NO	Complies
10	Mustard and products thereof	NO	NO	NO	Complies
11	Sesame seeds and products thereof	NO	NO	NO	Complies
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	Complies
13	Lupin and products thereof	NO	NO	NO	Complies
14	Molluscs and products thereof	NO	NO	NO	Complies

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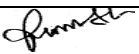
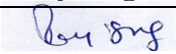
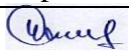
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Ref. STP No.:	SPI/STP/04 -01	Manufactured For:	AGREMA

Remark:-In the opinion of the under signed, the sample complies with respect to prescribed specification.

Storage condition: Store in a well closed container or HDPE bags having lined polythene bag. Protect from moisture and the attack of insects and rodents.

	Analysis By	Checked By	Approved By
Name	Ramesh Meena	Ray Singh	Dr Kapil Kumar
Sign.			
Date	05/09/24	05/09/24	05/09/24
Designation	QC Chemist	QA Execeive	Quality Head