

FRYSHINE™

CLEAN LABEL STARCH (PHYSICALLY MODIFIED STARCH)

DESCRIPTION

FryShine™ is a Physically Modified starch, **Vegan, Gluten-Free, Plant-based, Non-GMO** starch. It is produced by Physical modification of starch with functional food ingredients to enhance the textural properties and expansion of fryum related products.

SPECIFICATIONS

S.No	PARAMETERS	SPECIFICATIONS	METHOD OF ANALYSIS
1	APPEARANCE	WHITE COLOUR POWDER	ASF/QP/QA/06/15
2	SOLUBILITY	MIN. 90 % SOLUBLE IN COLD WATER	ASF/QP/QA/06/01
3	pH OF 10% (aqu. Soln)	6 TO 9	IS 4706(PART 2)
4	VISCOSITY OF 20% SOLUTION IN BROOKFIELD VISCOMETER, Spindle No:2, RPM :100, Temp: 80° C)	Max. 20 cPs	ISI 17- 1e
5	MOISTURE CONTENT (w/w)	Max 13%	IS 4706(PART 2)
6	BULK DENSITY (gm/ ml)	0.65 TO 0.8	ASF/QP/QA/06/08
7	SIEVE RETENTION (60 MESH)	PASS 80%	BS 410 1986
8	ASH CONTENT (w/w)	Max 60%	IS 4706(PART 2)

Mail Id : enquiry@angelstarch.com Website : www.angelshopee.com / www.angelstarch.com

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MICROBIOLOGICAL PARAMETERS

S.No	TEST PARAMETERS	UNITS	LIMITS AS PER FSSAI	METHOD OF ANALYSIS
1	Total Plate Count	Cfu/g	Not more than 20000	IS 5402
2	Yeast & Mould	Cfu/g	Not more than 100	IS 5403
3	<i>E coli</i>	Present/Absent/g	Absent	IS 5887:PART 1
4	Salmonella	Present/Absent/25	Absent	IS 5887:PART 3
5	Coliform	Cfu/g	Absent	IS:5402
6	<i>Staphylococcus aureus</i>	Present/Absent/25	Absent	IS 5887:PART 2
7	<i>Listeria monocytogenes</i>	Present/Absent/25	Absent	IS 14988:PART 1

MINERALS AND HEAVY METALS PARAMETERS

S.No	TEST PARAMETERS	UNITS	LIMITS AS PER FSSAI	METHOD OF ANALYSIS
1	Arsenic	Mg/kg	Not more than 1.1	FSSAI MANUAL 2016
2	Lead	Mg/kg	Not more than 2.5	FSSAI MANUAL 2016
3	Cadmium	Mg/kg	Not more than 1	FSSAI MANUAL 2016
4	Mercury	Mg/kg	Not more than 0.25	FSSAI MANUAL 2016
5	Copper	Mg/kg	Not more than 30	FSSAI MANUAL 2016
6	Tin	Mg/kg	Not more than 250	FSSAI MANUAL 2016
7	Zinc	Mg/kg	Not more than 50	FSSAI MANUAL 2016

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APPLICATIONS

As a texture enhancer:

FryShine™ is used to enhance the texture of Fryum related products. FryShine™ disperses well with other ingredients and improves the overall crispiness of the product. The starch molecules in FryShine™ form strong cross-links with other ingredients and create network like structure. When fried in oil at high temperatures, moisture and air bubbles trapped will evaporate and forms a porous structure which in turn provides the crispy texture. This process will also increase the expansion ratio of the product.

As starch based glazing agent:

FryShine™ acts as starch based glazing agent in fryums and improves the appearance of the product. It gives improved shiny appearance to the product.

It can be used for different types of fryums such as pipe fryum, wheel fryum, alphabet fryum, 3D pellet snacks. It can also be used for Pappad and appalam

FEATURES AND BENEFITS

FryShine™ enhances the texture of the product providing excellent crispiness

It improves the shiny appearance of the product

It can be used as Functional Food ingredient and label friendly product

It is minimally processed starch with no residues of chemicals.

It is highly bio-degradable and causes no harm to the Environment.

FryShine™ is a White powder that adds no color to application and blends well with other ingredients. It has a bland taste and so will not mask flavors or aromas.

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DOSAGE

Use 1 to 3% FryShine™ of total batch size. For excellent results, maybe use upto 5% FryShine™ of total batch size.

STORAGE

Exhibits excellent stability when stored under cool and dry ventilated place. Avoid direct sun light.

BEST BEFORE DATE

Twelve months from the date of manufacturing.

PACKING

Available in 25 Kgs net weight paper bags with moisture proof liner inside.

ADDITIONAL INFORMATION

FSSAI Certification	Yes
ISO 9001:2015 Certification standard from SGS	Yes
ISO 22000:2018 Certification standard from SGS	Yes
BRC Global Standard for Food Safety Certification from SGS	Yes
Kosher Certification by Kosher Check, British Columbia, Canada	Yes
Halal Certificate	Yes
ZED Certificate	Yes

Preservative NOT PRESENT/ USED IN PRODUCT

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Technical Data sheet

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