

BROWN DEXTRIN-TS

DESCRIPTION

BROWN DEXTRIN-TS is a Tapioca based modified Starch, **Vegan, Gluten-Free, Plant-based, Non-GMO** starch used as Emulsifier, Stabiliser, Binder and Thickener for various products. It is a starch -based crisping agent designed to impart a range of textural properties to battered and fried food products, particularly french fries.

SPECIFICATIONS

S.No	PARAMETERS	SPECIFICATIONS	METHOD OF ANALYSIS
1	APPEARANCE	BROWN COLOUR FINE POWDER	ASF/QP/QA/06/15
2	SOLUBILITY	100% SOLUBLE IN COLD WATER	ASF/QP/QA/06/01
3	pH OF 3% (aqu. Soln)	2 TO 4	IS 4706(PART 2)
4	VISCOSITY OF (1:2 Ratio) SOLUTION IN BROOKFIELD VISCOMETER, Spindle No:2, RPM :100, Temp: 30° C)	MAX 100 cPs	ISI 17- 1e
5	MOISTURE CONTENT (w/w)	Max 5%	IS 4706(PART 2)
6	BULK DENSITY (gms/ ml)	0.45 TO 0.65	ASF/QP/QA/06/08
7	PARTICLE SIZE (60 MESH)	PASS 99%	BS 410 1986
8	ASH CONTENT (w/w)	Max 0.5%	IS 4706(PART 2)

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BROWN DEXTRIN-TS

MICROBIOLOGICAL PARAMETERS

S.No	TEST PARAMETERS	UNITS	LIMITS AS PER FSSAI	METHOD OF ANALYSIS
1	Total Plate Count	Cfu/g	Not more than 40000	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

FEATURES AND BENEFITS

BROWN DEXTRIN-TS, when incorporated into a batter at low levels, imparts a uniform appearance to the fried product and provides a firm crispiness.

BROWN DEXTRIN-TS yields a very crispy coating which is characterized by a slightly blistered appearance.

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In addition to the textural enhancement provided by BROWN DEXTRIN-TS to coated products, it also assists with maintaining a crispy texture during extended storage under heat lamps.

Typically, products formulated with BROWN DEXTRIN-TS may yield up to 30 minutes or more of crispiness under heat lamp storage.

APPLICATIONS

- coatings
- colorants
- Cold water soluble products
- Thickening agent
- Binding agent
- Stabilizer
- Surface finishing agent
- Emulsifier

DOSAGE

For excellent results, use 1 to 10 % Brown dextrin-TS for 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.

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PACKING

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

ADDITIONAL INFORMATION

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	Yes
Halal Certificate	Yes
Preservative	NOT PRESENT/ USED IN PRODUCT

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Technical Data sheet



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