

# StaThick-TS-CWS-E1414

## ACETYLATED DISTARCH PHOSPHATE

### DESCRIPTION

**StaThick-TS-CWS-E1414** is a modified, **Vegan, Gluten-Free, Plant-based, Non-GMO** starch used as an Emulsifier, Binder, Stabilizer and Thickener in Instant food products and various sauces and gravies. This product has **good resistance to heat and shear**. It's stable to conservation and resistant to freezing. The special property of StaThick-TS-CWS-E1414 starch is its large water binding and fat binding capacities.

### SPECIFICATIONS

S.No	PARAMETERS	SPECIFICATIONS	METHOD OF ANALYSIS
1	APPEARANCE	WHITE TO OFF WHITE COLOUR FREE FLOWING POWDER	ASF/QP/QA/06/15
2	SOLUBILITY	100% SOLUBLE IN COLD WATER	ASF/QP/QA/06/01
3	pH OF 10% (aqu. Soln)	6-8	IS 4706(PART 2)
4	VISCOSITY OF 5% SOLUTION IN BROOKFIELD VISCOMETER, Spindle No:2, RPM :100, Temp: 30° C)	200-600 cP	ISI 17- 1e
5	MOISTURE CONTENT (w/w)	Max 8%	IS 4706(PART 2)
6	BULK DENSITY (gms/ ml)	0.3 TO 0.5	ASF/QP/QA/06/08
7	PARTICLE SIZE (60 MESH)	PASS 99%	BS 410 1986
8	ASH CONTENT (w/w)	Max 1.5%	IS 4706(PART 2)
9	ACETYL CONTENT,%	Max 2.5 %	ASF/QP/QA/06/08
10	PHOSPHATE CONTENT, %	Max 0.04 %	AOAC 965.17

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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 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:5401
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 Stabilizer and Thickener:

It can be used in foods as a stabilizer in oily foods. StaThick-TS-CWS-E1414 emulsifies fat and prevents it from separating from the products like Cream fillings, Fruit Pie fillings, Gravies, Sauces and Mayonnaise. When added to foods, the modified starch forms gels and thickens the texture without having to be heated.

#### Better water holding capacity:

Maintain high moisture content & lower oil uptake in the product. Give the product best Water Holding Capacity.

#### For Gluten-Free Products:

It can be used as a Gluten-Free substitute in various foods including Nuggets, Meat Balls, Cutlets, Chicken Finger, Popcorn, Sausages, Flavored Sausages and Ready to Fry Minced meats.

### FEATURES AND BENEFITS

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

StaThick-TS-CWS-E1414 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.

StaThick-TS-CWS-E1414 contains no fat, protein, fiber, vitamins, or other minerals.

StaThick-TS-CWS-E1414 acts as an excellent water and fat binder, and as great texturizer in cold applications. It ensures good film forming properties

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### DOSAGE

Use 1 to 3% StaThick-TS-CWS-E1414 of total batch size. For excellent results, use 5% 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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