

# EXTRUPLUS P1

## POTATO BASED

### DESCRIPTION

**EXTRUPLUS P1 (POTATO BASED)** is a **Physically modified, Clean-Label, Gluten free, Plant based, Vegan and Non GMO starch.** EXTRUPLUS P1 (POTATO BASED) is used as a perfect additive for Extruded & Oil Fried Snacks, Papad , Pasta and Noodles etc. EXTRUPLUS P1 (POTATO BASED) has no preservative and no Mono sodium Glutamate.

### 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	MAX 10% SOLUBLE IN COLD WATER	ASF/QP/QA/06/01
3	pH OF 3% (aqu.Soln)	5.5 to 7.5	IS 4706(PART 2)
4	VISCOSITY OF 3% SOLUTION IN BROOKFIELD VISCOMETER, (Spindle No:3, RPM :100, Temp: 80° C)	200 to 500 cP	ISI 17- 1e
5	MOISTURE CONTENT (w/w)	Max 16%	IS 4706(PART 2)
6	BULK DENSITY (gm/ml)	0.75 to 1.0	ASF/QP/QA/06/08
7	PARTICLE SIZE (100 MESH)	PASS 90%	BS 410 1986
8	ASH CONTENT (w/w)	Max 0.5%	IS 4706(PART 2)

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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	METHOD OF ANALYSIS
1	Arsenic	mg/kg	Not more than 0.3	FSSAI MANUAL 2016
2	Lead	mg/kg	Not more than 0.1	FSSAI MANUAL 2016
3	Cadmium	mg/kg	Not more than 0.1	FSSAI MANUAL 2016
4	Mercury	mg/kg	Not more than 0.01	FSSAI MANUAL 2016
5	Copper	mg/kg	Not more than 1	FSSAI MANUAL 2016
6	Tin	mg/kg	Not more than 0.1	FSSAI MANUAL 2016
7	Zinc	mg/kg	Not more than 5	FSSAI MANUAL 2016

### FEATURES AND BENEFITS:

- Helps to reduce cooking time.
- Reducing oil consumption.
- Improves Crispiness
- Improves Expansion & Volume
- Improves texture.
- Enhance product's flavor.
- 100% Natural and 100% vegetarian product

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### APPLICATION:

EXTRUPLUS P1(POTATO BASED) can be used in all type of extruded products like **corn puffs, veggie straw snacks, pork rinds, cheese snacks (puffs and curls), Tortilla/Tostada Chips.**

EXTRUPLUS P1(POTATO BASED) is also suitable for **Bajji Bonda Mix.**

EXTRUPLUS P1(POTATO BASED) can be applied for **Pasta and Noodles.**

Replace 2-5 % of rice flour with EXTRUPLUS P1(POTATO BASED) and add at the time of blending, after adding all raw materials.

### DOSAGE

For excellent results, use 2-5% EXTRUPLUS P1(POTATO BASED) of total batch size.

### STORAGE

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

### BEST BEFORE DATE

Nine months from the date of manufacturing.

### PACKING

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

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### 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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