

## MODIFIED TAPIOCA STARCH L-4 ( FOOD ADDITIVE )

**E-Number :** E 1412 Distarch Phosphate

**Description :** L-4 is a crosslink modified starch from tapioca roots with excellent water binding property. L-4 develops low to medium viscosity with heavy body. It becomes soft, tender gel upon cooling especially at lower pH.

**Application :** L-4 is used as an impart special property for noodle, meat and fish products, including sauce.

**Function and Benefit :** L-4 has a very bland taste that will not mask the flavour profile of other ingredients. The product is typically used as a thickener or a bulking agent for dry mixes, seasonings and fillings and can be easily cooked in an aqueous system resulting in a smooth texture with good clarity. L-4 improves firmness, elasticity and binding property in fish and meat product. It reduces shrinkage and drip which helps to prolong the product's shelf-life.

### PHYSICAL AND CHEMICAL DATA

Appearance	White Powder	
Dry Solid Content	Min. 86	%
pH	5 - 7	
Sieve Test: Pass through 100 mesh	Min. 98	%
Ash	Max. 0.3	%
Viscosity at 6.08% at 95°C	400 - 550	BU
Colour	White to off-white	
Odour	Odourless	

### MICROBIOLOGICAL DATA

Total Plate Count	Max. 10,000	cfu/g
Yeast & Mold	Max. 100	cfu/g
Escherichia coli	Negative	
Salmonella spp.	Negative	cfu/g

**Packaging :** 25-kg Valve Bag Multiwall Food Grade Paper from Mondi

**Label Instruction :** Product name, manufacturer's details, manufacturing date, expiry date, lot number and net weight.

**Shelf Life & Storage Condition :** 2-year shelf life. Keep closed packaging in dry and clean area at ambient temperature.

**Safety Information :** Please see Material Safety Data Sheet (MSDS).

### HEAVY METALS

Heavy Metals	Max 0.1	ppm
Lead (Pb)	Max. 2	ppm
Copper (Cu)	Max. 5	ppm
Arsenic (As)	Max. 1	ppm

#### Head Office

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