




**Pellagic Food  
Ingredients (P) Ltd.**  
Supplier of natural food ingredients

An ISO 22000:2005 Certified Company



CIN:U15500KA2012PTC062821

	PFI/IQF/SPEC-01: FG SPECIFICATION FOR IQF SWEET CORN KERNNEL-WHOLE	
	Created date: 01.02.2020	
<b>DESCRIPTION</b>		
The IOF material should be 100% natural with natural flavour of typical well-matured SWEET CORN and free from off flavour & off notes.		
<b>SN</b>	<b>Characteristics attributes</b>	<b>Characteristics description / specification</b>
1	<b>Process</b>	Sweet Corn is graded& sorted, manually de-husked, hand peeled, wash with treated water, blanched, freezing through IQF, packed either 30 kg bulk or retail LDPE pouch in 5 ply corrugated box.
2	<b>Origin</b>	India
3	<b>Treatment</b>	The Sweet Corn are blanched to deactivate enzymes and reduce microbial load.
4	<b>Physical Parameters</b>	
	Diameter	<b>8-14 MM</b>
	Size(Length)	<b>9-18MM</b>
	Over mature	<b>2 %</b>
	Immature	<b>5%</b>
	Dehydrated	<b>3%</b>
	Broken	<b>1%</b>
	TSS	<b>10-12 brix @20° C</b>
	EVM	<b>Less than 0.5%</b>
	Shape	<b>Flat conical</b>
	Discoloured	<b>3 %</b>
	Under/Over length	<b>5%</b>
	Mechanical damage	<b>1%</b>
	Clumps formation	<b>Less than 5%</b>
5	<b>Chemical characteristics</b>	

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	Enzyme Activities	Negative	
6	<b>Microbiological Characteristics</b>		
	Total Plate Count	Less than 40,000 cfu/g.	
	Coli form Count	Less than 100cfu/g.	
	Yeasts & Moulds	Less than 100cfu/g.	
	E-coli	Absent	
	Listeria	Absent	
	Salmonella	Absent	
7	<b>Storage condition</b>	-18° c	
8	<b>Sensory Analysis:</b>		
	Physical appearance	Hard in frozen	
	Color	Pale/Golden yellow(Acceptable range)	
	Taste / Smell	Characteristic taste / flavours of Sweet Corn	
	Moisture	Contains 80% to 85%	
9	<b>Defect Tolerance Limits (2kg)</b>	Major Blemish- Shrinked and blackish = 5%, E.V.M – NIL	
10	<b>Foreign Bodies:</b>		
	Rotten / Moulds vegetables	None	
	Other Foreign Bodies	None	
11	<b>CROP CONTAMINANTS</b>	<b>(in ppb by weight)</b>	<b>(in ppb by weight)</b>
	Aflatoxins	30 ppb	30 ppb
	<b>NOTS (Naturally Occurring Toxic substances)</b>		
	Agaric acid	100 ppm	100 ppm
	Hydrocyanic acid	5 ppm	5 ppm
	Hypericine	1 ppm	1 ppm
	Saffrole	10 ppm	10 ppm
	<b>Heavy Metals</b>	<b>Max. (ppm by weight)</b>	<b>Max. (ppm by weight)</b>
	Lead	2.5	2.5
	Cadmium	1.5	1.5
	Mercury	1.0	

For PELLAGIC FOOD INGREDIENTS (P) LTD

*Kaish*  
Quality Control

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