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TECHNICAL DATA SHEET MODIFIED TAPIOCA STARCH (E1414)

1. TECHINICAL PARAMETERS:

<i>1. Physicochemical properties:</i>				
<i>Item</i>	<i>Parameters</i>	<i>Unit</i>	<i>Specification</i>	<i>Test method</i>
1	Starch	%	$\geq 85,0$	ISO 10520:1997
2	Moisture	%	$\leq 14,0$	ISO 1666:1996
3	Viscosity	BU	≥ 700	Brabender 6% (micro)
4	Fineness (140 mesh sieve)	%	$\geq 99,0$	TCVN 1874-86
5	Whiteness	%	$\geq 90,0$	YQ-Z-48B
6	Ash	%	$\leq 0,20$	AOAC 923.03
7	Fiber	%	$\leq 0,05$	TCVN 4590-88
8	Degree of Substitution (DS)	%	0.01 – 0.05	PL204009
9	pH	-	5.0 – 7.0	AOAC 943.02
10	SO ₂	ppm	$\leq 10,0$	AOAC 990.28
<i>2. Microorganism properties:</i>				
<i>Item</i>	<i>Parameters</i>	<i>Unit</i>	<i>Specification</i>	<i>Test method</i>
1	Mesophilic Aerobic Bacteria 35°C, 48h	CFU/g	$\leq 10^4$	ISO 4833-1:2013
2	Coliforms	CFU/g	$\leq 10^2$	ISO 4832:2016
3	S. Aureus	CFU/g	$\leq 10^3$	US FDA BAM Chapter 12
4	Clostridium Perfringens	CFU/g	$\leq 10^2$	ISO 7937:2004
5	B. Cereus	CFU/g	$\leq 10^3$	AOAC 980.31
6	Yeast and Moulds	CFU/g	$\leq 10^3$	ISO 21527-2:2008
7	E.Coli	CFU/g	$\leq 10^2$	ISO 16649-2:2001
<i>3. Heavy metal contain:</i>				
<i>Item</i>	<i>Parameters</i>	<i>Unit</i>	<i>Specification</i>	<i>Test method</i>
1	Lead (Pb)	ppm	$\leq 0,1$	AOAC 2013.6
2	Mercury (Hg)	ppm	$\leq 1,0$	QCVN 8-2:2011/BYT
3	Cadmium (Cd)	ppm	$\leq 0,1$	QCVN 8-2:2011/BYT

2. CHARACTERISTICS:

1. Helps maintain the even dispersion of substances in food.
2. Used as an agent to help form or preserve a mixture of substances that are not likely to bemixed
3. Increases the toughness of the food

3. APPLICATION:

1. Widely applied in food processing industries such as: **Frozen Meats, Sauces, Surimi, Meatballs, Fish Ball, Process cheese slices, Sausage,...**
2. Depending on demand, there are common specification segments: **0.01-0.02, 0.02-0.03, 0.04-0.05**

4. PACKAGING & STORAGE

Packaging: Paper bag: 25kg; PP bag: 25kg, 50kg; Jumbo bag: 850kg

Storage: Keep in clean and dry place, away from water, humidity, high temperature.

5. SHELF LIFE

Two years from the date of manufacturing.