


<b>Modified Corn Starch - USP</b>	Effective Date: 1402/09/01	 گروه صنعتی پژوهشی فرهیختگان زرنام FARHIKHTEGAN ZARNAM RESEARCH & INDUSTRIAL GROUP	092222007/01
<b>Specification</b>	Page 1 of 1		
Farhikhtegan Zarnam Research & Industrial Group			

<b>Test Method:</b> USP 45/NF 40	<b>Packaging type:</b> Primary Packaging: Four Layer Kraft paper, Inner Layer laminated with food grade Polyethylene. Secondary Packaging: Polyethylene Bag	<b>Product Packaging Size:</b> 25 kg
<b>Shelf life:</b> 2 Years		<b>HS Code:</b> 350510

		Test	Method	Acceptance Criteria
<b>Physical</b>		Description	In house	White Powder
	<b>Chemical</b>	Identification	A	USP Monograph
B			USP Monograph	The final solution is translucent to opaque with a fluid consistency. A yellow tint of the final solution is acceptable
C			USP Monograph	A water slurry of the Modified Starch is colored orange-red to deep blue by Iodine TS.
Impurities		Residue on ignition (%)	<281>	NMT 1.5
		Limit of iron (ppm)	USP Monograph	NMT 20
		Limit of SO <sub>2</sub> (ppm)	USP Monograph	NMT 50
		Limit Of Oxidizing Substances (%)	USP Monograph	NMT 0.018 %
		pH	<791>	3 – 9
		Loss on drying	<731>	NMT 15.0
<b>Microbiological</b>		Total Aerobic Microbiological Count (cfu/g) (TAMC)	<61>	NMT 10 <sup>3</sup>
	Total Combined Yeasts/Molds Count (cfu/g) (TYMC)	<61>	NMT 10 <sup>2</sup>	
	Escherichia Coli (cfu/g)	<62>	Absence	
	Salmonella Species (cfu/10g)	<62>	Absence	

<b>QC manager:</b> Sign/Result Date:		<b>Authorized person:</b> Sign/Release Date:

**Storage:** Preserve in tightly closed container. Keep in dry place at ambient temperature away from direct sun and freezing

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