



**SHIJIAZHUANG HUAXU PHARMACEUTICAL CO., LTD**  
**HEBEI HUAXU PHARMACEUTICAL CO., LTD**

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**Fructose specification**

ITEM	Pharma grade	Food grade	
	YHB04772010 and Chinese Pharmacopoeia 2015	GB/T26762-2011	FCC8
Assay	98.5% ~ 101.5%	98.0% ~ 102.0%	
Appearance	White, Crystalline powder	White, Crystalline powder	
Solubility	Freely soluble in water, soluble in methanol, insoluble in chloroform and ether.	—	—
Identification: Resorcinol	Shall be marked in red		
Identification: Alkaline cupric tartrate	Shoud generate red precipitate	—	—
Identification: TLC	Conformity	—	—
Identification: Infrared absorption spectrophotometry	The infrared absorption spectrum of the product should be consistent with the standard infrared absorption spectrum.	—	—
Acidity	≤0.2ml(NaClO.02mol/L)	≤0.5ml	—
Appearance of solution	≤1#(clear and colourless)	—	—
5-Hydroxymethylfural	A≤0.32	≤0.005%	≤0.1%
Chloride	≤0.01%	≤0.01%	≤0.018%
Sulphate	≤0.01%	—	≤0.025%
Calcium and manesium	≤0.0005%	—	—
Barium	Conformity	—	—
Loss on drying	≤0.5%	≤0.5%	≤0.5%
Residue on Ignition	≤0.1%	≤0.05%	≤0.5%
Residue sulfur dioxide	≤0.04g/kg	—	—
Heavy metals	≤0.0004%	—	—
Arsenic	≤0.0001%	≤0.5mg/kg	
Sucrose	Conformity	—	—
Assay-Glucose	≤0.3%	—	—
Taste and odour	—	Sweet odorless	
Lead	—	≤0.5mg/kg	≤0.1mg/kg
Identification	—	—	Conformity
Evaluation of insolubles	—	≤20ml/kg	—