



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Pharmaceutical Grade Fructose

Batch No.: HDC20230127

Manufacturing Date: Jan 27th, 2023

Retest Date: Jan 26th, 2025

Batch Quantity: 8000kg

Packing: 25kg/drum

Report Date: Jan 28th, 2023

Standard: USP43

Test Item	Specification	Test Result	
Appearance	White crystalline powder	Conforms	
Solubility	Very soluble in water, soluble in ethanol	Conforms	
Identification: Infrared absorption	Meets the requirements	Conforms	
Colour of Solution	Meets the requirements	Conforms	
Acidity	Not more than 0.20 ml	0.14 ml	
Loss on Drying	Not more than 0.5%	0.06%	
Residue on Ignition	Not more than 0.1%	0.03%	
Assay	98.0% ~ 102.0%	100.8%	
Chloride	Not more than 0.01%	<0.01%	
Sulfate	Not more than 0.01%	<0.01%	
Arsenic(As)	Not more than 1 ppm	<1 ppm	
Calcium and Magnesium	Not more than 0.005%	<0.005%	
Limit of hydroxymethylfurfural	Meets the requirements	Conforms	
Microbiological Tests	Total plate count	Not more than 1000 CFU/g	20 CFU/g
	Moulds & yeasts	Not more than 100 CFU/g	10 CFU/g
	Escherichia coli	Negative/g	
	Salmonella	Negative10g	
Bacterial Endotoxins	Not more than 0.4 IU/mg	<0.4 IU/mg	

Conclusion: The testing results of this batch are complied with the USP43 Standard.