



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

Address: Room 2015-2016, No.2 Building, Kaixin Mansion, No.107 Jinqiao Avenue, Wuhan, China.

Website: www.fortunachem.com Tel: 027-85767163, 027-59207850 E-mail: purchase@fortunachem.com

CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Dextrose Anhydrous	50-99-7	20240415
Mfg. Date	Exp. Date	Package
Apr., 15, 2024	Apr., 14, 2026	25kg/ Box/Bag/Drum

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White or almost white ,crystalline powder	Conforms
solubility	Freely soluble in water, very slightly soluble in ethanol (96 per cent)	Conforms
Specific optical rotation	+52.5 °to +53.3 °	+ 53.0°
HPLC	Consistent with the reference solution(a)	Conforms
Water	NMT 1.0%	0.08%
TLC	Consistent with the reference solution(a)	Conforms
chemical reaction	To form a red precipitate	Conforms
Assay	97.5~102.0%(anhydrous substance)	99.7%
Related substances	sum of impurities A and B: NMT 0.4%	0.214%
	impurities C: NMT 0.2%	0.010%
	impurities D: NMT 0.15%	0
	unspecified impurities: NMT 0.10%	0.007%
	total: NMT 0.5%	0.234%
Appearance of solution	The solution is clear and not more intensely colored than reference solution BY7	Conforms

Conductivity	maximum 20 $\mu\text{S cm}^{-1}$	9.02 $\mu\text{S cm}^{-1}$
Dextrin	Meet requirements	Conforms
soluble starch, Sulfite	NMT15ppm	<15ppm
Arsenic	Maximum1ppm	<1ppm
Barium	Any opalescence in the solution is not more intense than in the standard	Conforms
Calcium	Maximum 100ppm	<100ppm
Heavy Metals	Maximum4ppm	<4ppm
Endotoxin	<1.25EU/g	<1.25EU/g
Total bacterial count	$\leq 1000\text{CFU/g}$	<10CFU/g
Mycete& Yeast	$\leq 100\text{CFU/g}$	<10CFU/g
Escherichia coli	Negative reaction	Negative
Conclusion	QUALIFIED.	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03

