



XI'AN BIOF BIO-TECHNOLOGY CO.,LTD

Add: Room 1601 , Tower 1 , Building 25 , Gaoke Garden, Gaoxin 5th Rd, High-tech Zone,
Xi'an, China

Tel: 86-29-88447187 Fax: 86-29-88447187

CERTIFICATE OF ANALYSIS

Product Name	Allantoin	MF	C4H6N4O3
Cas No.	97-59-6	Manufacture Date	2024.1.25
Quantity	500KG	Analysis Date	2024.2.2
Batch No.	BF-240125	Expiry Date	2026.1.24
Items	Specifications		Results
Assay	98.5- 101.0%		99.2%
Apperance	White Powder		Conforms
Melting Point	225° C, with decomposition		225.9 ° C
Solubility	Slightly soluble in water Very slightly soluble in alcohol		Conforms
Identification	A. Infrared spectrum is march with the spectrum of allantoin CRS B. Thin-Layer Chromatographic Identification Test		Conforms
Optical rotation	-0.10° ~ +0.10°		Conforms
Acidity or alkalinity	To conform		Conforms
Residue on ignition	<0. 1%		0.05%
Reducing substances	The solution remains violet for at least 10 min		Conforms
Loss on drying	<0.05%		0.04%
Heavy Metal	≤10ppm		Conforms
pH	4-6		4.15
Conclusion	This sample meets USP40 Specification.		

Conclusion: Approved

Tested by: Zhang Xiaoxuan

