



WUHU HUAHAI BIOLOGY ENGINEERING CO LTD

NO.1 XIAJIA HU ROAD, SANSHAN ECONOMIC AREA, WUHU, CHINA

CERTIFICATE OF ANALYSIS

PRODUCT NAME: ALLANTOIN

INVOICE NO.: BF206639

P/O NO.: 101004996

BATCH NO.: 20230516

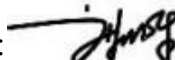
MFG DATE: MAY 16, 2023

EXP DATE: MAY 16, 2026

REFERENCE STANDARD: BP2015, EP 9.0, USP 39

TEST	SPECIFICATION	RESULTS
1. Assay	98.5-101.0%	99.52%
2. Characteristic	White powder.	Conform
3. Melting Point	225°C-240°C	229°C
4. Solubility	Slightly soluble in water Very slightly soluble in alcohol	Conform
5. Identification	A. Infrared spectrum is march with the spectrum of allantoin CRS B. Thin-Layer Chromatographic Identification Test TEST C	Conform
6. Reducing substances	Shake 1.0 g with 10 mL of water R for 2min. Filter. Add 1.5 mL of 0.02 M potassium permanganate. The solution must remain violet for at least 10 min.	Conform
7. Acidity or alkalinity	To conform	Conform
8. Optical rotation	-0.10°~+0.10°	Conform
9. Related substances	<0.5%	0.33%
10. Loss on drying	<0.1%	0.06%
11. Sulphated ash	<0.1%	Conform

CONCLUSION: MEETS BP2015, EP9.0, USP 39 SPECIFICATION

Analyst : 



Inspector : 