



WUHU BAOFENG IMP.AND EXP.CO.,LTD

SANSHAN ECONOMIC DEVELOPMENT ZONE WUHU CHINA

CERTIFICATE OF ANALYSIS

INV. NO.:HH203588
ORDER NO.: I-4356
PRODUCT NAME: ALLANTOIN
QUANTITY:3000KGS
BATCH NO:20230113
MFG DATE:JAN.13,2023
EXP DATE:JAN.12,2026
COUNTRY OF ORIGIN: CHINA

TEST	SPECIFICATION	RESULTS
1. Assay	98.5-101.0%	99.2%
2. Characteristic	White crystalline powder.	Conform
3. Melting Point	225° C, with decomposition	226.9° 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	Conform
6. Acidity or alkalinity	To conform	Conform
7. Optical rotation	-0.10° ~+0.10°	Conform
8. Related substances	<0.5%	0.3%
9. Loss on drying	<0.1%	0.05%
10. Sulphated Ash	<0.05%	0.03%
11. Heavy Metal (Pb)	≤10ppm	Conform
12.Reducing substance	1.0g of allantoin in 10 ml of water,shake for 2 min,and filter.To the sample solution add 1.5ml of 0.02 M Potassium permangante,the solution remains violet for at least 10 min	Conform

CONCLUSION:MEETS USP40 SPECIFICATION

芜湖市宝丰进出口有限公司
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