

杭州东瑞医药科技有限公司
HANGZHOU DAWN RAY PHARMACEUTICAL CO.,LTD.

CERTIFICATE OF ANALYSIS

Allantoin

Batch No.: DR20140401	Piece: 500kg
Manufacture Date: 2014.04.01	Expiry Date: 2016.03.31

TESTS:

Items	Specification	Results
Characters	Appearance: A White or almost white crystalline powder	A White crystalline powder
	It melts at about 225°C, with decomposition	It melts 228.0~228.5°C with decomposition
Identification	A、 Infrared absorption spectrophotometry: The IR spectrum is consistent with that obtained with allantoin CRS	The IR spectrum is consistent with that obtained with allantoin CRS
	B、 TLC: Conforms	Conforms
	C、 chemical reaction: Conforms	Conforms
	D、 chemical reaction: Conforms	Conforms
Acidity or alkalinity	Conforms	Conforms
Optical rotation	- 0.10° ~ +0.10°	+0.00°
Reducing substance	Conforms	Conforms
Related compounds	Any individual impurity ≤0.5%	0.2%
Loss on drying	≤0.1%	<0.1%
Sulphate ash	≤0.1%	<0.1%
Assay	Allantoin contains 98.5~101.0% of C ₄ H ₆ N ₄ O ₃	99.7%

Conclusion: The results conform with the BP2010 standard.

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