

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

CERTIFICATE OF ANALYSIS

L-Pyroglutamic acid

Batch No.: DR20140328	Quantity :100kg
Manufacture Date: 2014.03.28	Expiry Date: 2016.03

TESTS:

Items	Specification	Results
Appearance	Off-white crystalline powder	Conforms
Specific rotation[α]D20 (c=2 H2O)	-10.5° ~ -11.8°	-11.64°
Melting point	158~161°C	160°C
Chloride	≤0.02%	0.012%
NH4	≤0.02%	<0.012%
SO4	≤0.05%	0.01%
Heavy metals	≤10ppm	8ppm
Iron	≤20ppm	9ppm
Arsenic	≤1ppm	<1ppm
Loss on drying	≤0.5%	0.22%
Residue on ignition	≤0.2%	0.07%
Assay	98.0~101.0%	99.2%

Conclusion: The results conform with the standard

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