

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

CERTIFICATE OF ANALYSIS

Vincamine (CAS NO:1617-90-9)

Batch No.: DR20150317	Piece: 100kg
Manufacture Date: 2015.03.17	Expiry Date: 2017.03.16

TESTS:

Items	Specification	Results
Appearance	Odorless white crystalline powder	Conforms
Solubility	Soluble in chloroform and dichloromethane, slightly soluble in ethanol, insoluble in water	Conforms
Melting point	227-230°C	228.8-229.1°C °
Specific rotation	+39° ~+43.5°	+41.2°
Related substances (By HPLC)	Single impurity ≤0.2%	0.07%
	Total impurities ≤0.5%	0.15%
Loss on drying	≤ 0.5%	0.17%
Residue on ignition	≤ 0.1%	0.05%
Residual solvents	Methanol ≤ 0.3%	Conforms
	Dichloromethane ≤ 0.06%	Conforms
Heavy metals	≤ 10 ppm	Conforms
Arsenic	≤ 10 ppm	Conforms
Loose density	≥ 0.25 g/ml	Conforms
Bulk density	≥ 0.50 g/ml	Conforms
Assay (on dried basis) (By HPLC)	98.5%-101.5%	99.6%

Conclusion: The results conform with the in-house standard.

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