

SINOWAY INDUSTRIAL CO.,LTD.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME:	VINCAMINE	CAS NO.	1617-90-9
MF:	C ₂₁ H ₂₆ N ₂ O ₃	LOT NO:	YN20231215
MANUFACTURE DATE:	2023.12.05	EXPIRY DATE:	2025.12.14
ANALYSIS DATE:	2023.12.10	QUANTITY:	100.00kg

Items	Requirements	Results
Appearance	white crystalline powder,odorless	Conforms
Solubility	Practically insoluble in water, soluble in chloroform an methylene chloride, slightly soluble in ethanol.	Conforms
Melting point	227-230°C	228.3-228.6°C
Specific optical rotation	+39° - +43.5°(c=1%,in pyridine)	+42.0°
Tests		
1) Loss on drying	≤ 0.5%	0.36%
2) Residual on Ignition	≤ 0.1%	0.07%
3) Solvent residual	≤ 0.1%	Conforms
4) Heavy metal	≤ 10 ppm	Conforms
5) Arsenic	≤ 10 ppm	Conforms
6) Related substance (HPLC)	Total impurities≤ 1.0% Single impurity≤ 0.5%	0.13% 0.09%
7) Microbial limits Colonies total Yeast	≤ 1000 CFU/G ≤ 100 CFU/G	Conforms Conforms
8) Loose density Packing density	≥ 0.25 g/ml ≥ 0.50 g/ml	Conforms Conforms
Assay (HPLC)	98.5%~101.5%(on dried basis)	99.92%
Conclusion:	This product conforms to enterprise standard	