

CERTIFICATE OF ANALYSIS

Product Name	VINCAMINE	CAS NO.	1617-90-9
Batch Number	YOUTH-20240327	MF	C ₂₁ H ₂₆ N ₂ O ₃
MFG. Date	20240327	Expiration Date	2026.03.26
Batch Quantity	100KG		
Items	Requirements	Results	
Appearance	White crystalline powder, odorless	Conforms	
Solubility	Practically insoluble in water, soluble in chloroform and 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		

QC MANAGER: Feng Li

ANALYST: Guo Shan

