

Certificate of Analysis

Oxytocin 5mg

Cat. No: OXY5-024
CAS No: 50-56-6
PubChem CID: 439302
Chemical Name: Oxytocin 5mg
MG: 5mg

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₄₃H₆₆N₁₂O₁₂S₂

Molecular Weight: 1007.2g/mol

Storage: Powder: -20°C 3 years ; 4°C 2 years ; 15°C 3 month
In solvent: -80°C 6 months ; -2°C 1 month ; 10°C 1 week

Chemical Structure: H-Cys(1)-Tyr-Ile-Gln-Asn-Cys(1)-Pro-Leu-Gly-NH₂

ANALYTICAL DATA

Test Items	Specifications	Results
Appearance:	White to off-white lyophilized solid powder	Conforms
Purity (HPLC):	>98.7%	99.1%
TFA Content:	<0.50%	Conforms

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.