



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-279938
Lot Number: SAMPLE
Product Name: Oxytocin acetate salt
CAS Number: 50-56-6
Molecular Formula: $C_{43}H_{66}N_{12}O_{12}S_2$
Molecular Weight: 1007.19

| Test | Specification | Result |
|--------------------|---------------------------|------------------|
| Activity | ≥ 480 IU/mg | 521 IU/mg |
| Appearance | White to off-white powder | Off-white powder |
| Purity (HPLC) | $\geq 99\%$ | 99.24% |
| pH | 3.0 - 6.0 | 5.2 |
| Single Impurity | $\leq 0.5\%$ | 0.29% |
| Total Impurities | $\leq 1.0\%$ | 0.76% |
| Acetate | 6 - 10% (HPLC) | 7.29% |
| Peptide Content | $\geq 80\%$ (by N) | 87.15% |
| Water Content (KF) | $\leq 5\%$ | 2.6% |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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