

# SYNEDICA

## Certificate of Analysis

ISO 9001:2026 Certified Laboratory

**Product Name:** Synedica Tirzepatide 40mg Injection Pen Kit  
**Batch Number:** TIR-2026-07-B02  
**Manufacturing Date:** 2026-07-02  
**Expiry Date:** 2027-07-02  
**CAS Number:** Refer to specification sheet  
**Quantity:** As per label claim

### Analytical Test Results

| Test Item             | Specification            | Result         | Status |
|-----------------------|--------------------------|----------------|--------|
| Appearance            | White lyophilized powder | White powder   | Pass   |
| Identification (HPLC) | RT matches standard      | RT = 11.87 min | Pass   |
| pH (1% solution)      | 6.0 - 7.5                | 6.8            | Pass   |
| Water Content (KF)    | NMT 3.0%                 | 2.1%           | Pass   |
| Peptide Content       | NLT 95.0%                | 98.1%          | Pass   |
| Purity (HPLC)         | NLT 98.0%                | 99.7%          | Pass   |
| Endotoxin (LAL)       | NMT 5 EU/mg              | < 0.3 EU/mg    | Pass   |
| Assay (Content)       | 95.0 - 105.0%            | 99.8%          | Pass   |
| GIP Activity          | Pass biological assay    | Full agonist   | Pass   |
| Sterility             | Sterile                  | Sterile        | Pass   |

### Conclusion

All specifications meet the established acceptance criteria. The product has been released for research and development use.

**Approved by:** Dr. Analytical Chemist  
**QC Laboratory:** Synedica Quality Control  
**Approval Date:** 2026-07-02

This certificate applies to the above batch number only. Results reflect the analysis of the sample provided.

This product is intended for research purposes only and is not for human or veterinary use.