

## Certificate of Analysis

Date of Testing: 2025-06-10 16:31:37

Date of Next Testing: 2029-06-09 16:31:37

Product Name: **Tyr-Phe**

CAS Number: 17355-11-2

Specifications & Purity:  $\geq 98\%$

Lot #: I2116392

SKU # **T121399**

Version **1**

Analysis #: **522471**

Storage Temperature: Store at -20°C

| Parameter                                                              | Limit Values                                      | Result                                            |
|------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(HPLC)                                                           | 98-100 (%)                                        | 98.12100 %                                        |
| Specific Rotation $[\alpha]_{24/D}(c=0.3 \text{ in } 1\text{M HCL})$   | 15.7-19.7 (°)                                     | 18.34°                                            |
| Carbon by Elemental Analysis(Dry base)                                 | 64.2-67.5 (%)                                     | 64.92800 %                                        |
| Nitrogen by Elemental Analysis(Dry base)                               | 8.2-8.8 (%)                                       | 8.20800 %                                         |
| Appearance (T121399)                                                   | White powder                                      | White powder                                      |
| Proton NMR spectrum                                                    | Conforms to Structure                             | Conforms to Structure                             |
| Solubility in AcOH , colorless to faint yellow clear to hazy(25mg/1ml) | colorless to faint yellow Clear to hazy(25mg/1ml) | colorless to faint yellow Clear to hazy(25mg/1ml) |



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