

# Chem-Impex International, Inc.

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## Certificate of Analysis

|  |   |
|--|---|
| <b>Catalog Number</b>  | 11802   |
| <b>Product Name</b>  | Ac-Tyr(Me)-OH   |
| <b>Lot Number</b>  | 11802-032304-1  |
| <b>Molecular Formula</b>   | C <sub>12</sub> H <sub>15</sub> NO <sub>4</sub>                                     |
| <b>Molecular Weight</b>  | 237.26  |
| <b>Appearance</b>  | White powder  |
| <b>Melting Point</b>   | 149 – 152 °C  |
| <b>Specific Rotation</b> [ $\alpha$ ] <sup>20</sup> <sub>D</sub> | + 10.1 ° (c=1.004%, DMF)  |
| <b>Purity (HPLC)</b>   | 99 +%   |
| <b>Storage</b>   | RT  |
| <b>Remarks</b>   | See Material Safety Data Sheets for additional information. For Laboratory use only |



**Sashi Kumar**  
**Quality Control Manager**

## HPLC Conditions

|  |  |
|--|--|
| <b>Column</b>                              | Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å |
| <b>Guard Column</b>                        | Supel Guard LC-18-DB, 2 cm                       |
| <b>Retention Time, min</b>                 | 12.833   |
| <b>Sample preparation</b>                  | 2 mg/1 mL 100% Acetonitrile/Water                |
| <b>Injection volume, <math>\mu</math>l</b> | 5  |

**Method /Detection at, nm**

**Gradient**

10-60% B

A = 99.9% Water, 0.1% TFA

B = 95% Acetonitrile, 4.9% Water, 0.1% TFA

30 min, flow rate = 1.0 ml / min

**Boc10 / 210**