

# CERTIFICATE OF ANALYSIS

Product Name: L-GLYCYL-L-TYROSINE DIHYDRATE  
Product Number: G3550  
Lot Number: HAX3550002  
Storage Temperature: 0-30°C  
MW: 274.27 g/mol  
Formula: C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>•2H<sub>2</sub>O  
CAS No.: 39630-46-1

## Physiochemical Specifications:

| TEST                                     | SPECIFICATION                                | RESULTS         |
|--|--|-----------------|
| Solubility                               | Soluble in H <sub>2</sub> O @ 20 mg/mL at RT | Passes          |
| pH                                       | Record                                       | 5.7             |
| Karl Fischer                             | 10-16%                                       | 13.1%           |
| FTIR                                     | Conforms                                     | Passes          |
| Specific Rotation [ $\alpha$ ] 20/D      | +46.0°-+53.0°                                | +49.3°          |
| Physical Appearance<br>Color*<br>Texture | White<br>Powder                              | White<br>Powder |
| Animal Component Free (ACF)              | Confirmed                                    | Passes          |
| Endotoxin                                | ≤ 0.04 EU/mg                                 | Passes          |
| Bioburden                                | <100 cfu/g                                   | Passes          |
| Purity (Titration)                       | Minimum 98.5%                                | 99.3%           |

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

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Date of Release: 14-June-2022

Recommended Shelf-Life Date: June 2030



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