

## Certificate of Analysis

Date of Testing: 2023-11-07 10:33:40

Date of Next Testing: 2026-11-06 10:33:40

Product Name: **L-Tyrosine disodium salt dihydrate**

CAS Number: 122666-87-9

Specifications & Purity:  $\geq 98\%$

Lot #: K2302067

SKU #: **L302659**

Version: **1**

Analysis #: **114048**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in H}_2\text{O})$ | -14.0~-9(°)           | -9.80 °               |
| Assay(Titration by HCL)                                         | 97.5-102.5(%)         | 100.00 %              |
| Water by Karl Fischer                                           | 10.0-16.0(%)          | 14.71 %               |
| PH(1% in Water)                                                 | 10.5-11.5             | 11.47                 |
| Proton NMR spectrum                                             | Conforms to Structure | Conforms to Structure |



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