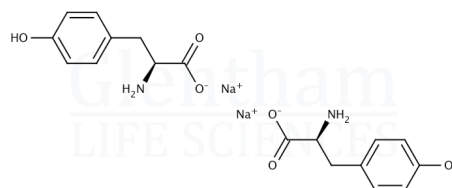


## Certificate of Analysis

Product Name L-Tyrosine disodium salt hydrate  
Glentham Code GE4061  
CAS Number 69847-45-6  
MDL Number MFCD08276422  
Additional CAS 122666-87-9  
PubChem SID 310281522  
Batch Number 847KYW

Molecular Weight 225.15 (anhydrous)  
Molecular Formula  $C_9H_9NNa_2O_3 \cdot xH_2O$   
Storage Temp. +4°C



Property	Specification	Batch 847KYW
Physical Description	Off-white to yellow powder	Pale yellow powder
Solubility (5% in water)	Clear, light-yellow to yellow solution	Clear, yellow solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-8.5 - -13.0 ° (c=5, water)	-10.7°
Water	≤ 16.0%	8.7%
Heavy Metals	≤ 10ppm	Conforms
Assay	≥ 98.0%	99.2%

Specification Version v1.1  
Manufacture Date 2021-11-30  
Re-Test Date 2030-01-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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