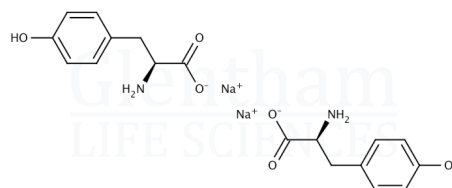


Certificate of Analysis

Product Name	L-Tyrosine disodium salt hydrate
Glenthams 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 ₉ H ₉ NNa ₂ O ₃ · xH ₂ O
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 ([α] _{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

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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