

## **Gojira Fine Chemicals, LLC**

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

## **Certificate of Analysis**

## N-Glycyl-L-Tyrosine Dihydrate

Catalog Number:	GT1007
Lot Number:	0514901
CAS Number:	39630-46-1, 658-79-7
Synonym(s):	Gly-tyr; Glycyl-L-tyrosine
Molecular Formula:	$C_{11}H_{14}N_2O_4 \cdot 2H_2O$
Molecular Weight:	274.27
Storage:	-20°C
Date of Manufacture:	April 25, 2019
Retest Date:	April 24, 2020

Test	Specification	Result
Appearance	White microcrystalline solid	Conforms
Purity (HPLC)	≥ 99%	99.4%
Identity	IR, TLC	Conforms
Specific Rotation (c=1,H <sub>2</sub> O)	+48° to +53°	+48.2°
Solubility	Clear & colorless	Conforms
рН	4.5 - 6.0	5.4
Impurities		
Cyclo(L-Glycyl-Tyrosine)	≤ 0.5%	0.0%
Total	≤ 1.0%	0.6%
Moisture	10.0 – 16.0%	13.5%
Ash	≤ 0.1%	< 0.1%
Heavy Metals	≤ 10ppm	< 10ppm
Methanol	≤ 3,000ppm	< 3,000ppm
Toluene	≤ 890ppm	< 890ppm
Ethyl Acetate	≤ 5,000ppm	< 5,000ppm

Approved by:

John grubb

John Grubb, PhD Gojira Fine Chemicals, LLC Quality Manager Tel: 440-539-7033 Fax: 888-211-5523 john@gojirafc.com Date: May 16, 2019

For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.