

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	00436
<b>Product</b>	<b>L-Tyrosine disodium salt dihydrate</b>
<b>Lot Number</b>	000985-091409225
	L-3-(4-Hydroxyphenyl)alanine disodium salt dihydrate (S)-3-(4-Hydroxyphenyl)alanine disodium salt dihydrate
<b>CAS Number</b>	122666-87-9
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> ·2H <sub>2</sub> O
<b>Molecular Weight</b>	261.19

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<b>Appearance</b>	Tan powder
<b>Solubility</b>	Soluble (1% solution in H <sub>2</sub> O)
<b>Heavy Metals</b>	< 5 ppm
<b>Water Content (Karl Fisher)</b>	13.39%
<b>pH</b>	11.1 (1% solution in H <sub>2</sub> O at 25 °C)
<b>Optical Rotation</b>	-13.8°(C=4g/100 mL in H <sub>2</sub> O, calculated as free acid)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Bioburden Level</b>	< 100 CFU/g
<b>Endotoxin Test</b>	< 0.04 EU/mg (1% solution in H <sub>2</sub> O)
<b>Assay by titration</b>	99.1% (anhydrous basis)
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager