

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	00244
<b>Lot Number</b>	001192-151210
<b>Product</b>	<b>D-Phenylalanine</b>
	D-Phe-OH
	(R)-2-Amino-3-phenylpropionic acid
<b>CAS Number</b>	673-06-3
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	165.2

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<b>Appearance</b>	White to off-white crystalline powder
<b>Heavy Metals</b>	< 10 ppm
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.02% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 0.02%
<b>Cation</b>	Ammonium (NH <sub>4</sub> <sup>+</sup> ): < 0.02% Iron (Fe): < 0.001%
<b>pH</b>	5.8
<b>Optical Rotation</b>	[α] <sub>D</sub> = +34.1° (C=2 in H <sub>2</sub> O)
<b>Loss on Drying</b>	0.11%
<b>Other Amino Acids</b>	< 0.5% L-Isomer: < 0.1%
<b>Residue On Ignition</b>	0.06%
<b>Assay</b>	99.71%
<b>Storage</b>	Store at RT

# *Certificate of Analysis*

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**Remarks**

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**