

# Chem-Impex International, Inc.

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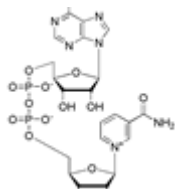
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	01542
<b>Product</b>	<b>Nicotinamide adenine dinucleotide</b>
	NAD
	DPN
<b>CAS Number</b>	53-84-9
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P <sub>2</sub>
<b>Molecular Weight</b>	663.4

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<b>Appearance</b>	White powder
<b>Water Content (Karl Fisher)</b>	≤ 10%
<b>UV Ratios</b>	Ratio at pH 7.5: A250/A260: 0.83 ± 0.03 A280/A260: 0.21 ± 0.02
<b>Purity</b>	≥ 98% (Enzymatic method)
<b>Storage</b>	Store at ≤ -20 °C
<b>Additional Information</b>	NAD <sup>+</sup> Content: ≥ 90% Spectral analysis: ε 260 nm and pH 7.5: (18.0 ± 0.5) x 10 <sup>3</sup> L/mole/cm ε 340 nm and pH 10: (6.3 ± 0.2) x 10 <sup>3</sup> L/mole/cm Ratio when reduced with alcohol degenerease at pH 10: A340/A260: 0.43 ± 0.01

**For Laboratory Use Only**