

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

$\beta$ -Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt hydrate -  $\geq 97\%$  (HPLC)

Product Number:

**N7505**

CAS Number:

2646-71-1

MDL:

MFCD00036263

Formula:

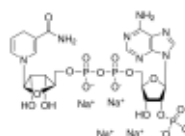
C<sub>21</sub>H<sub>26</sub>N<sub>7</sub>Na<sub>4</sub>O<sub>17</sub>P<sub>3</sub> · xH<sub>2</sub>O

Formula Weight:

833.35 g/mol

Storage Temperature:

-20 °C



### TEST

### Specification

Appearance (Color)	White to Light Yellow
Appearance (Form)	Powder
Solubility (Color)	Very Faint Green-Yellow to Green-Yellow to Yellow
Solubility (Turbidity)	Clear
50 mg/mL, 0.01 N NaOH	
Proton NMR Spectrum	Conforms to Structure
Solvent Content (by NMR)	$\leq 5\%$
Water (by Karl Fischer)	$\leq 12\%$
Sodium (Dry basis)	10.5 - 11.6 %
Spectrophotometric Purity	$\geq 97\%$
Dry basis	
Purity (HPLC)	$\geq 97\%$
Recommended Retest Period	-----
1 years	

Specification: PRD.4.ZQ5.10000030820

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.