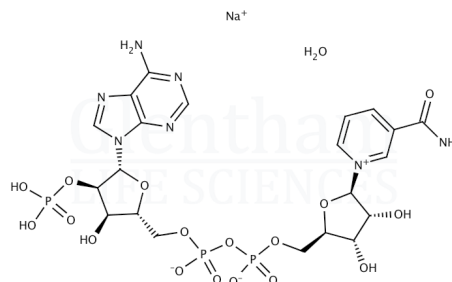


Certificate of Analysis

Product Name	beta-Nicotinamide adenine dinucleotide phosphate sodium salt hydrate
Glenthams Code	GL2728
CAS Number	698999-85-8
MDL Number	MFCD00150480
Additional CAS	1184-16-3 (anhydr.)
PubChem SID	310277759
Batch Number	162EKY

Molecular Weight	765.39 (anhydrous)
Molecular Formula	$C_{21}H_{27}N_7NaO_{17}P_3 \cdot xH_2O$
Storage Temp.	-20°C



Property	Specification	Batch 162EKY
Physical Description	White to light-yellow crystalline powder	Conforms
pH (10% in water)	2.0 - 4.0	3.43
Sodium (Na)	1.5 - 4.5 %	3.64%
Water	≤ 7.0%	4.5%
Purity (Enzymatic)	≥ 93.0% (dried basis, Na free)	98.4%
Purity (HPLC)	≥ 95.0%	98.1%

Specification Version	v1.2
Manufacture Date	2021-07-29
Re-Test Date	2028-09-02

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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