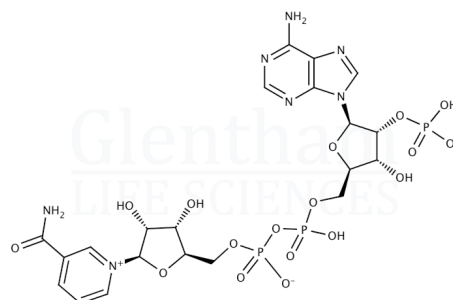


Certificate of Analysis

Product Name b-Nicotinamide adenine dinucleotide phosphate hydrate
Glentham Code GN8530
CAS Number 53-59-8
MDL Number MFCD10567218
PubChem SID 310277756
Batch Number 936QKE

Molecular Weight 743.41 (anhydrous)
Molecular Formula $C_{21}H_{28}N_7O_{17}P_3 \cdot xH_2O$
Storage Temp. -20°C



Property	Specification	Batch 936QKE
Physical Description	White to off-white or light-yellow powder or crystals	White crystals
Identification (IR)	To conform to standard	Conforms to standard
Solubility (5% in water)	Clear, colourless to faint yellow solution	Clear, colourless solution
pH (10% in water)	1.0 - 2.0	1.2
Absorbance Ratio	0.75 - 0.90 (A250/A260, pH 7.5)	0.82
Absorbance Ratio	0.18 - 0.23 (A280/A260, pH 7.5)	0.22
Water (KF)	≤ 6.0%	3.4%
Purity (HPLC)	≥ 95.0%	96.8%

Specification Version v1.1
Manufacture Date 2022-08-14
Re-Test Date 2030-11-15

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

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