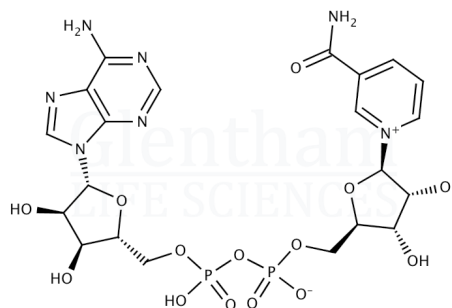


Certificate of Analysis

Product Name	beta-Nicotinamide adenine dinucleotide
Glentham Code	GV0860
CAS Number	53-84-9
EINECS	200-184-4
MDL Number	MFCD00036253
PubChem SID	310277407
Batch Number	615GTH
Molecular Weight	663.43 (anhydrous)
Molecular Formula	$C_{21}H_{27}N_7O_{14}P_2$
Storage Temp.	-20°C



Property	Specification	Batch 615GTH
Physical Description	White to light yellow crystalline powder	White crystalline powder
pH (10% in water)	2.0 - 4.0	2.26
Sodium (Na)	≤ 1.0%	0.003%
Water	≤ 8.0%	1.8%
Purity (Enzymatic)	≥ 90.0% (dried basis)	99.8%
Purity (HPLC)	≥ 95.0%	99.4%

Specification Version	v1.1
Manufacture Date	2022-08-15
Re-Test Date	2029-06-08

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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