

Shanghai yuanye Bio-Technology Co., Ltd
465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-08-01 10:45:10
Date of Next Testing: 2029-07-31 10:45:10
Product Name: **β -Nicotinamide adenine dinucleotide hydrate**
CAS Number: 53-84-9
Specifications & Purity: for cell culture, $\geq 96.5\%$ (HPLC), $\geq 96.5\%$ (spectrophotometric assay), from yeast
Lot #: G2621027
SKU #: V33580
Version: 0
Analysis #: 750471
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	96.5-100 (%)	99.53600 %
Solvent Content (by GC),Acetone	0-3 (%)	1.21000 %
Water by Karl Fischer	0-10 (%)	1.52750 %
Purity(Spectrophotometric)(Dry Basis)	96.5-100 (%)	98.50000 %
Solubility in H ₂ O , Colorless to Faint Yellow,Clear ,50 mg/ml	pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass
Appearance(V33580)	White to Off-white powder or crystals	White to Off-White Powder or Crystals

Quality Assurance : Xiaoyong Tan
Quality Control : Yunfei Zhu

