

Technical Data Sheet

Product Name: Nicotinamide Riboside Chloride (NR-Cl)
Catalog No.: HA4817
CAS No.: 23111-00-4
Appearance: White Powder
Purity: >98%

Introduction

Nicotinamide Riboside Chloride (NR-Cl) is a crystal form of Nicotinamide riboside (NR) chloride. Nicotinamide riboside chloride increases NAD[+] levels and activates SIRT1 and SIRT3, culminating in enhanced oxidative metabolism and protection against high-fat diet-induced metabolic abnormalities. Nicotinamide riboside chloride is used in dietary supplements.

Quality Standards

Test Items	Specifications	Results
Appearance	White to yellowish powder	White powder
Solubility	Soluble in water	Soluble in water
Purity (% HPLC)	>98.0	99.80
Assay (% HPLC, on dry basis)	98.0 – 102.0	99.62
Water Content (%)	<1.0	0.13
Heavy Metal (ppm)		
Pb	<0.5	N.D.
As	<0.5	Conform
Hg	<0.5	Conform
Cd	<0.5	N.D.
Total microbial count	<300 CFU/g	Conform
E.coil	Not Detected	N.D.
Yeast and mold	<10 CFU/g	Conform
Salmonella	Not Detected	N.D.
Staphylococcus aureus	Not Detected	N.D.
Conclusion	Conformable to all the requested specification	

Function

The molecule is bioavailable to the brain and may provide neuroprotective effects by stimulating NAD synthesis in the brain.

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By..... *Worman*