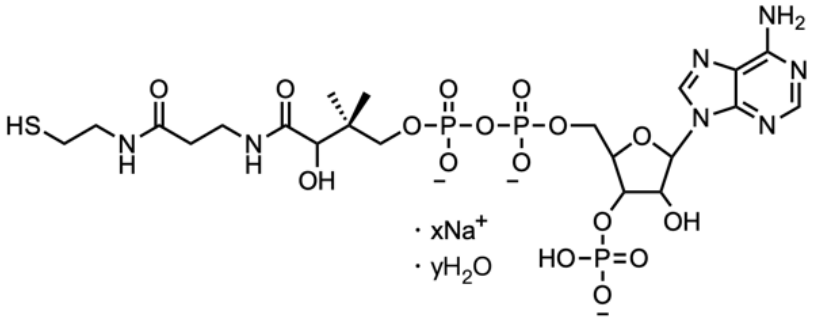
NanoLight™ TECHNOLOGY
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Certificate of Analysis

CAT# 308 Coenzyme A, Sodium Salt

Date:	Sept 14, 2026
Compound ID:	Coenzyme A, Na+ (Sodium Salt)
CAS#	55672-92-9
Compound Name:	Adenosyl-3-phospho-5-diphospho-pantothenate (reduced)
Batch Number:	I1426
Molecular Formula:	$C_{21}H_{33}N_7O_{16}P_3S$ x 3Na
MW:	767.5 g/mol (anhydrous free acid base)

Structure:

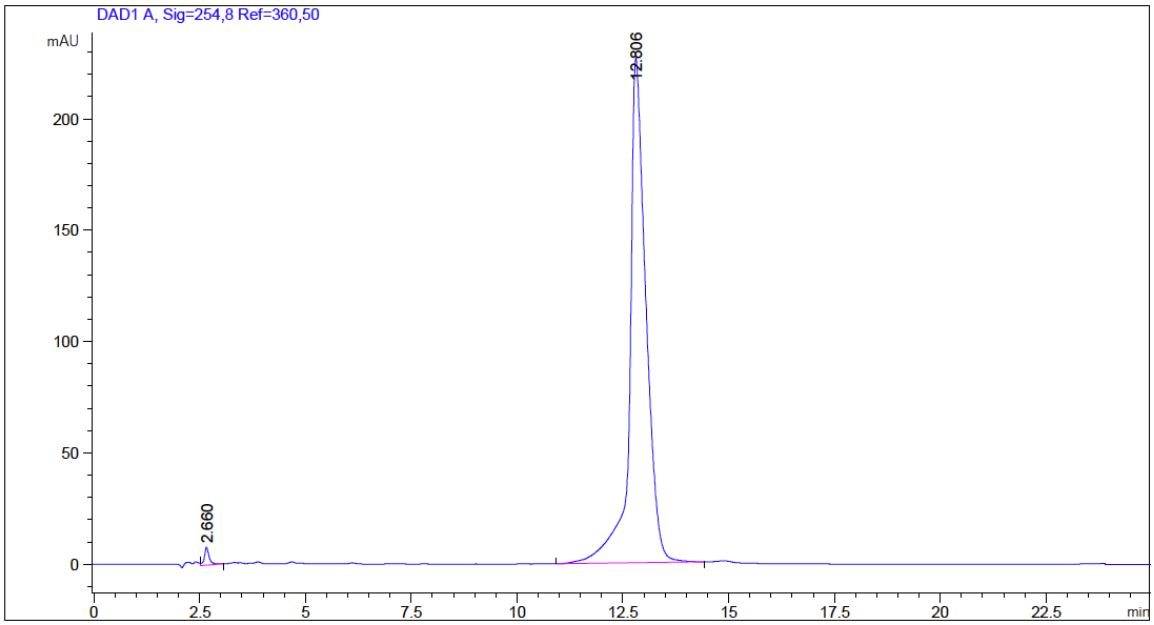


Test Items	Specification	Results	Test method
Appearance	off white crystalline powder	Conforms	Visual
Purity	>98.0%	98.9%	HPLC
Loss on Drying	<2%	1.6%	Weight
Sodium	8.5 ± 1.5%	8.19%	ICP-OES
Identification	>98% activity	99%	Firefly assay
Storage	Store dry and dark at -20°C or for long term storage at -80°C		

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HPLC



Signal 1: DAD1 A, Sig=254,8 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	2.660	VB	0.1203	66.16085	8.01605	1.0741
2	12.806	BB	0.3835	6093.26660	226.74194	98.9259
Totals :				6159.42745	234.75799	