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CERTIFICATE OF QUALITY

**Product:** NAD, TRIHYDRATE **Grade:** REAGENT GRADE

**Code:** 0455

<u>Appearance:</u> Off-white lyophilized powder

Mol. Formula: C21H27N7O14P2.3H2O

Mol. Weight: 717.47

<u>Description:</u> (aka. b-Nicotinamide Adenine Dinucleotide Trihydrate)

Assay:	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
A250/A260	0.78	0.88		PASS
A280/A260	0.17	0.27		PASS
Lamda max (pH 7.0)	259	260	nm	PASS
Moisture (by Karl Fischer)		< 4.0	%	PASS
Purity (Anhydrous)	97		%	PASS

Storage: Store frozen. Keep dry. Warm to room temperature before opening.

0455RG This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: (Lucke)

Title: QC MANAGER Date: 6/13/2012