

Certificate of Analysis

PRODUCT: **Diaphorase (NADH) [DI]**
From *Bacillus megaterium*,
(NADH: acceptor oxidoreductase, E.C. 1.6.5.2)
CAS# [9001-18-7]

PRODUCT NUMBER: N-1181
LOT NUMBER: L1186
APPEARANCE: Yellowish lyophilized powder

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
ACTIVITY:	30.0 – 60.0 U/mg	37 U/mg
PROTEIN (LOWRY METHOD):	N/A	93%
MOISTURE:	N/A	4.0%

CONTAMINATING ENZYMES:

NADH-oxidase:	N/A	3.2% (U/U)
NADPH-oxidoreductase [DIP]:	N/A	14.1% (U/U)

APPEARANCE of SOLUTION:	Clear	Clear
2U/ML in buffer A400 nm:	≤0.050	0.004
A500 nm:	≤0.025	0.001
A650 nm:	≤0.010	0.000

STORAGE & HANDLING: Store desiccated at -20°C. **PROTECT FROM LIGHT!**
CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: SM