

CERTIFICATE of ANALYSIS

PRODUCT: **Diaphorase (NADPH) [DIP]**
From *Bacillus megaterium*, [NAD(P)H dehydrogenase (quinone)]; NADPH: dye oxidoreductase
E.C. 1.6.99.1

PRODUCT NUMBER: N-1185

LOT NUMBER: J1110

APPEARANCE: Yellowish lyophilized powder

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
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ACTIVITY:	≥ 5 U/mg	27 U/mg
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CONTAMINATING ENZYMES:		
Myokinase:	≤ 0.50% (U/U)	< 0.04% (U/U)

APPEARANCE OF SOLUTION: <i>(In 5 U/ml in buffer)</i>	Clear	Clear
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A400 nm:	≤ 0.100	0.028
A500 nm:	≤ 0.050	0.012
A650 nm:	≤ 0.020	0.001

PROTEIN (Lowry method): 94%

MOISTURE: 3.7%

DESCRIPTION: Useful for enzymatic determination of reduced NADP.

STORAGE & HANDLING: Store desiccated at -20°C. **PROTECT FROM LIGHT!**
WARNING: HARMFUL!

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: KLS