

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: L1044

APPEARANCE: Yellowish lyophilized powder

| | <u>SPECIFICATIONS:</u> | <u>RESULTS:</u> |
|------------------|------------------------|-----------------|
| ACTIVITY: | ≥ 5 U/mg | 20 U/mg |

CONTAMINATING ENZYMES:

| | | |
|-------------------|---------------|---------------|
| Myokinase: | ≤ 0.50% (U/U) | < 0.06% (U/U) |
|-------------------|---------------|---------------|

| | | |
|--|-------|-------|
| APPEARANCE OF SOLUTION: <i>(In 5 U/ml in buffer)</i> | Clear | Clear |
|--|-------|-------|

| | | |
|-----------------|---------|-------|
| A400 nm: | ≤ 0.100 | 0.022 |
|-----------------|---------|-------|

| | | |
|-----------------|---------|-------|
| A500 nm: | ≤ 0.050 | 0.010 |
|-----------------|---------|-------|

| | | |
|-----------------|---------|-------|
| A650 nm: | ≤ 0.020 | 0.001 |
|-----------------|---------|-------|

PROTEIN (Lowry method): 85%

MOISTURE: 3.5%

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