

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** Diaphorase  
**Catalog Number:** 150844  
**Lot:** QR15792**Formula:** N/A  
**CAS #:** 9001-18-7  
**Physical Description:** Pale Yellow Powder**Formula Weight:** N/A  
**Storage:** -20°C, desiccate

| Test                                | Specification    | Result          |
|-------------------------------------|------------------|-----------------|
| Identity Test                       | Passes           | Passes          |
| Source                              | Porcine Heart    | Passes          |
| Specific Activity                   | ~10 u/mg protein | 25 u/mg Protein |
| Activity (u/mg solid)               | Record Result    | 5.0 u/mg solid  |
| Protein Concentration (mg/mg solid) | Record Result    | 20.6%           |

Unit Definition: the amount of enzyme that reduces 1  $\mu$ mole of substrate (dithiooctanoate) per minute @ 30°C.

Form: Freeze-dried Powder in the presence of sucrose (~60%)

Solubility: Soluble in distilled water or dilute buffer

Recommended Retest Date: 07/15/2021



07/17/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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