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Certificate of Analysis

Product Description: Alkaline Phosphatase
Catalog Number: 199817
Lot: SR04281**Formula:** N/A
CAS #: N/A
Physical Description: Off-White Suspension**Formula Weight:** N/A
Storage: 2 - 8°C, do not freeze

Test	Specification	Result
Identity Test	Passes	Passes
Source	<i>E. coli</i>	<i>E. coli</i>
Specific Activity	≥30 u/mg protein	80 ± 5 u/mg protein
Concentration (mg P/ml)	report value	1000 ± 62.5 u/mL
Supplied as	Ammonium Sulfate Suspension	Ammonium Sulfate Suspension
Expiration Date	Month/Day/Year	06/20/2022

Unit Definition: One unit will hydrolyze 1 µmole of 4-nitrophenyl phosphate per minute at pH 10.4, 37°C.

Protein Concentration: 12.5 mg/mL

The preparation may lose approximately 5% of the activity by the end of storage period.

Protein in 20mM Tris-HCl buffer, pH 7.7

Activity assay in 500mM Tris-HCl (pH 8.0), 0.1M MgCl₂, 10mM 4-nitrophenyl phosphate

A handwritten signature in black ink, appearing to read 'J Huang'.

06/23/2021 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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