



CERTIFICATE OF ANALYSIS

PRODUCT:	Hemocyanin, Keyhole Limpet, <i>Megathura crenulata</i>, Low Endotoxin, Highly Soluble
PRODUCT NUMBER:	H-1184
LOT NUMBER:	A9845
APPEARANCE:	Dry bluish white, lyophilized pellet.
FORMULATION:	Lyophilized from 5% sucrose, 10 mM sodium phosphate, pH 7.0.
SOLUBILITY:	At a concentration of 10 mg/mL in water, Hemocyanin is completely soluble with no precipitation and a clear to slight haze grey-blue solution.
PURITY:	<50% high molecular weight hemocyanin by molecular sieve chromatography.
UV Analysis:	0.23 (Absorbance Ratio 337 nm/280nm of a KLH solution in PBS buffer at 500 µg/mL ≥ 0.18)
ENDOTOXIN (≤ 12 EU/mg):	11 EU/mg
COPPER TO PROTEIN RATIO ($\geq 1.5 \times 10^{-3}$):	1.5×10^{-3}

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PROTEIN CONTENT: 30 mg/mL

SHELF LIFE: 4 years when stored at -20°C.

STORAGE & HANDLING: Keep cool and dry at -20°C.

CAUTION: For research 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: KT

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