

**Certificate of Analysis**

**Product:** V8 Protease

**Source:** *S. aureus* strain V8

**Code:** MB-114-0001

**Lot #** 19918

**Size:** 1.0 mg

**Physical State:** Lyophilized

**Specific Activity:** 880 units/mg dry weight

**Absorbance Data:**  $A_{280}$  of 1 mg/ml solution is 0.70

**Buffer Composition:** None

**Application(s):** V8 Protease (*S. aureus*) specifically cleaves peptide bonds on the COOH-terminal side of either aspartic or glutamic acids. Under certain conditions, the enzyme specificity can be limited to the glutamic acid sites. Optimum pH's of 4.0 and 7.8. Useful for protein chemistry and peptide mapping studies.

**Storage Conditions:** Store vial at 2° to 8° C upon receipt. Expiration date is six (6) months from date of opening vial.

**Unit Definition:** One unit causes a change of 0.001  $A_{280}$  nm per minute at 37° C at pH 7.8 using casein as a substrate.

**Preparation:** A lyophilized powder. Chromatographically purified according to the method of Drapeau *et al.*, *JBC* **247**, 6720 (1972).

**Note:** This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.

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