

Certificate of Analysis

Product Name : Melittin from honey bee venom ≥85% (HPLC)
Product Number : M2272-25MG-PW
Batch Number : 0000089035
 Source Batch : 11181029
 CAS Number : 20449-79-0
 Storage Temperature : Freezer -20°C
 Molecular Formula : $C_{131}H_{229}N_{39}O_{31}$
 Formula Weight : 2846.46
 Recommended Retest Date : Nov 2021
 Quality Release Date : 12 Nov 2018

Gly-Ile-Gly-Ala-His-Leu-Lys-His-Leu-Thr-Trp-Gly-Leu-Phe-Ala-Leu-Ile-Ser-Tip-His-Lys-Arg-Lys-Arg-Gln-Gln-NH₂

Test	Specification	Result
Appearance (Form)	Lyophilized Powder	Lyophilized Powder
Appearance (Colour)	White to Faint Tan or Faint Yellow	Faint Tan
Solubility (Solvent)	Water	Water
Solubility (Conc)	5.00 - 5.20 mg/ml	5.00 mg/ml
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Colorless to Faint Yellow	Faint Yellow
Protein Content (Method)	Biuret	Biuret
Prot. Content (% Protein)	≥ 90.00 %	100.00 %
Water (by Karl Fischer)	≥ 0.00 %	12.65 %
Purity (HPLC)	≥ 85.00 %	93.28 %
Contamination (Contaminant)	PLA2	PLA2
Contamination (Det. Method)	HPLC	HPLC
Contamination (% detected)	≤ 0.500 %	0.500 %

Theo Ackermann

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Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale.

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