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## **Certificate of Analysis**

**Product Name:** 

Collagenase from Clostridium histolyticum suitable for release of physiologically active rat hepatocytes, Type IV, 0.5-5.0 FALGPA units/mg solid,

≥125 CDU/mg solid

 Product Number :
 C5138-25MG

 Batch Number :
 0000461064

 Source Batch :
 0000453574

 CAS Number :
 9001-12-1

 MDL Number :
 MFCD00130830

 Storage Temperature :
 -20°C

Storage Temperature : -20°C
Recommended Retest Date : May 2031
Quality Release Date : 23 May 2025

		Hepstocyte	Adippoyte	Percrettic	
C5138	W				
C0130					
C6885					
C9891	13.				
C9063					
C7657	30				
C2139	98				
C1889	0/-5				
C0255					
C1764					
C0773	98				
C5894	(3)				
O8051	H				
C1639					
C7926					
CB176					
C2399	Wis				
C6029	30				
C2004					
CATES	30.5				
C9697	30				
C9722	(A)				
C9427	30				
C2674	(A)				
C2799	1/1				
C9972	3/1				

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Test	Specification	Result	
Appearance (Form)	Powder	Powder	
Appearance (Color)	Faint Beige to Very Dark Beige	Very Dark Brown	
	and Faint Brown to Very Dark Brown		
units/mg solid (Collagen)	≥ 125	1385	
Unit definition: One unit liberates peptides from collagen from bovine achilles tendon equivalent in ninhydrin color to 1.0 micromole of leucine in 5 hours at pH 7.4 at 37 deg C in the presence of calcium ions. ions.			
units/mg Solid (FALGPA)	0.5 - 5.0	1.6	
ne unit hydrolyzes 1.0 micromole of FALGPA (Furylacryloyl-Leu-Gly-Pro-Ala, F5135) per minute at pH 7.5 at 25 deg C in the presence of calcium ions.			
calcium ions.			
units/mg Solid (Caseinase)	≥ 10	142	
Units/mg solid (Clostripain)	≥ 0.1	0.7	

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







**Product** C5138-25MG **Batch** 0000461064

Anna Bendersky, Quality Control Manager

**Quallity Control** 

Israel

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