

HA732



**— HUMAN ENZYMES —**

**ALPH-AMYLASE, NO. HA732**

**SPECIFICATIONS.**

3X crystallized. Suspension in 0.5 saturated NaCl pH 6.0 containing 0.01% NaN<sub>3</sub> as preservative. Store at 5°C.  
150-250 units per mg of protein.  
One unit will liberate 1 micromole of reducing groups equivalent to maltose per minute at pH 6.9 and 25°C. Substrate is soluble starch.

**PREPARATION.**

Crystallized by our modification of the method of Levitzki et al. (29).

NO. HA732

**INQUIRE**

**X ELASTASE, NO. HE272**

**SPECIFICATIONS.**

Chromatographically purified. In 0.02 M NaOAc pH 6.0 containing 0.154 M NaCl and 0.01% NaN<sub>3</sub> as preservative. Store at 5°C.  
20-30 units per mg of protein  
One unit will solubilize 1 mg of elastin in 20 minutes at pH 8.8 and 37°C using elastin-orcein as substrate.

**PREPARATION.**

Prepared by ion-exchange chromatography on DEAE-cellulose and affinity chromatography on agarose-L-alanyl-L-alanyl-L-alanine.

NO. HE272

**INQUIRE**

**LIPASE, NO. HL938**

**SPECIFICATIONS.**

Chromatographically purified. In 0.02 M NaOAc pH 6.0 containing 0.154 M NaCl and 0.01% NaN<sub>3</sub> as preservative. Store at 5°C.  
30-60 units per mg of protein.  
One unit releases 1 micromole of fatty acid per minute from emulsified olive oil at pH 8.0 and 25°C.

NO. HL938

**RE: Cat. Number HL938 (Human Lipase).**

The source of Human lipase, No. HL938, is human pancreas.

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EPC HA 732



Elastin Products Company, Inc.  
P.O. Box 568  
Owensville, Missouri, USA 65066  
Phone: 314-437-2193  
FAX: 314-437-4632

Date: 15 September 1994

To: Natsuko Sakai - Cosmo Bio Co., Ltd.

From: Carmen Kuhne

FAX # Called: on file

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Number of Pages: 1

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RE: Product No. HA732

Alpha Amylase, No. HA732 is purified from human pancreas. Purity is >95% by PAGE,  
approximately 150 units per mg of protein.

SPECIFICATIONS CHANGE.

HA732 is now lyophilized with 5% lactose and 2% salts of NaCl and CaCl<sub>2</sub>.

EPC # HA-732  
0.1mg ¥5,500.-



# ELASTIN PRODUCTS COMPANY, INC.

P.O. BOX 568 OWENSVILLE, MISSOURI 65066 U.S.A.  
TELEX NO: 3799211 EPCIN TELEFAX NO: (314) 437-4632  
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16 July 1991

Cosmo Bio Co., Ltd.  
Tadashi Hatakeyama  
T. Nagai  
4-13 Nihonbashi Honcho Chuo-ku  
Tokyo, 103  
Japan

Dear Tadashi Hatakeyama / T. Nagai:

The source of human pancreas is a local University Hospital and from doctors who I personally work with and know as responsible scientists. They assure me that the tissues are not contaminated.

The HA732 now has new specifications. It is prepared by chromatography then crystallized then solubilized and lyophilized. 300 - 350 units per mg of protein on soluble starch at pH 7.0 and 37°C. Salt-free, lyophilized.

1 x 0.1 mg  
5 x 0.1 mg  
1 x 1 mg

Availability: Immediate from stock

Regards,

ELASTIN PRODUCTS COMPANY, INC.

Paul F. Huebner  
President

PFH:lm

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