

INNOMAX™ MPI



INNOMAX™ MPI: ENHANCING PROTEIN AND PALATABILITY

Innomax™ MPI is a highly digestible, quality protein for specialty applications in pet foods, such as boosting protein and palatability. Innomax™ MPI is produced in a USDA certified facility dedicated to processing porcine proteins. In the production process, the fresh trimmings from pig slaughterhouses are loaded into a cooker or direct steam vessel and rendered for 3 hours at approx. 148°C (300 degrees F). The meat protein which is left after the lard is rendered off is stored at approx. 87°C (190 degrees F). This liquid is then transported to Sonac USA's plant where it is evaporated and then spray dried.

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HOW TO USE INNOMAX™ MPI

PROTEIN BOOSTING

Innomax™ MPI can be used to increase or correct protein contents in pet formulations. The high protein (table 1), low fat (< 1%), and low ash content in combination with a light color make Innomax™ MPI an ideal ingredient for this purpose.

Table 1

Guarantee	Specifications
Protein	≥ 92%
Moisture	≤ 4%

Standard parameters	Typical Value
Crude Fat (by acid hydrolyzation)	0.8%
Crude Ash	4.5%

PALATABILITY

Innomax™ MPI is derived from fat trimmings. This results in a palatable product for both cats & dogs. The palatability of Innomax™ MPI has been confirmed at independent institutes in Europe and USA (shown as in figure 1 & 2).

Figure 1: Consumption preference cats

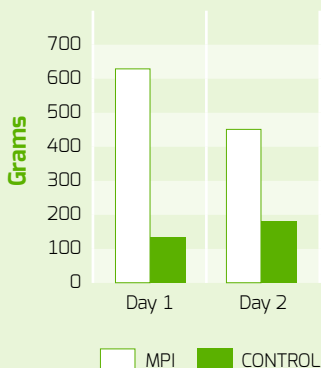
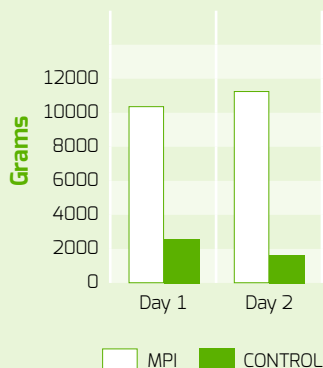


Figure 2: Consumption preference dogs



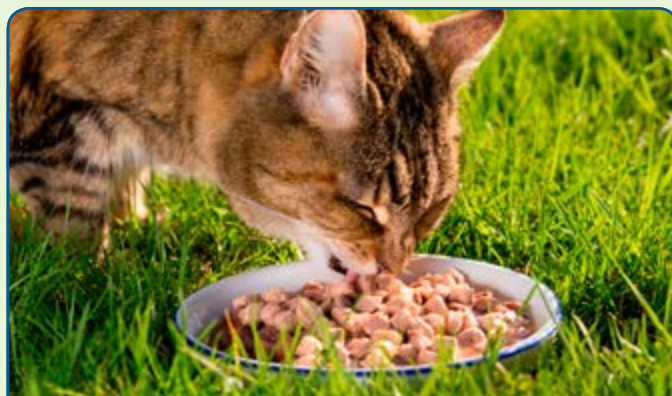
It is generally accepted in pet food that protein sources with a molecular weight <10000 Dalton are considered hypo allergenic.

Sonac is a leading manufacturer of reliable ingredients of animal origin. With an active R&D program, reliable processes and sustainable end products Sonac continuously adjusts to market needs. A good geographical spread of locations and a broad portfolio of fats, proteins, minerals and specialties make Sonac a trusted partner for many international producers in food, pet food, feed and fertilizers, worldwide. Sonac is part of Darling Ingredients.

For more information about this specialty product please contact us:

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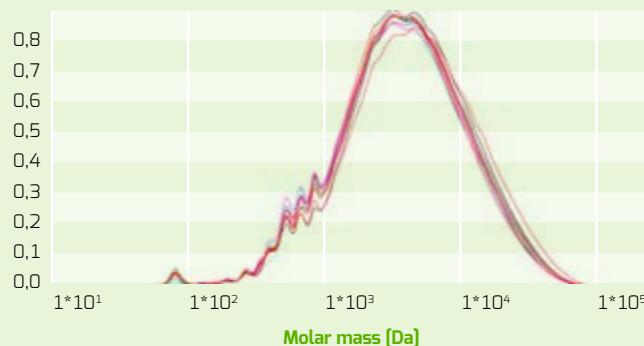
THE ADVANTAGES OF INNOMAX™ MPI:

- more than 90% protein
- high digestibility
- low in Biogenic Amines
- hydrolyzed protein
- light color
- palatable
- EU approved

DIGESTIBILITY / HYPO ALLERGENIC

Innomax™ MPI is a spray-dried protein produced via a thermal hydrolyzation process. As a result the product is highly digestible (and soluble) for pets. Another advantage of the hydrolyzation process is the reduced molecule size of the proteins. Innomax™ MPI has a molecular weight of 6000 Dalton.

Figure 3: Mass distribution overlay



Curve 1 : Vial 62: RDG-15-038: MPI#15036M - 1
 Curve 2 : Vial 63: RDG-15-038: MPI#15020MT - 1
 Curve 3 : Vial 64: RDG-15-038: MPI#15057M - 1
 Curve 4 : Vial 65: RDG-15-038: MPI#15062M - 1
 Curve 5 : Vial 66: RDG-15-038: MPI#15043M - 1
 Curve 6 : Vial 67: RDG-15-038: MPI#15028M - 1
 Curve 7 : Vial 68: RDG-15-038: MPI#15020M - 1
 Curve 8 : Vial 69: RDG-15-038: MPI#15030M - 1
 Curve 9 : Vial 70: RDG-15-038: MPI#15013M - 1
 Curve 10 : Vial 71: RDG-15-038: MPI#15050M - 1
 Curve 11 : Vial 72: RDG-15-038: MPI#15007M - 1
 Curve 12 : Vial 73: RDG-15-038: MPI#15027MT - 1

P55 WinGPC UniChrom, Build 4815, DBEGNT 14122201, Instance #1



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