



Liver Extract liquid

PRODUCT DESCRIPTION

The Liver Extract liquid belongs to the animal series of Costantino peptones production. Liver Extract families have been developed by Costantino along the years to optimize the taste and palatability of the final product.

Liver Extract is the result of the skill of Costantino in the selection of the best optimized Liver protein source in combination with an hydrolysis able to deliver the optimized performance for animal feed and pharmaceutical ingredients. Liver Extract is so particularly efficient where a strong Liver taste is required to please animal appetite or to mask unpleasant taste or excipient in veterinary pharmaceutical preparation. As many Costantino products customization of this product is available for eventual fine tuning of the chemical properties to fit the customers optimal needs.

SUGGESTED USE

Liver Extract liquid can be used when particular unpleasant tastes need to be masked or to give to animal feed a tasty flavor or as excipient in veterinary pharmaceutical preparation.

STORAGE & SHELF LIFE

Temperatures below 20°C, relative humidity below 65%, and odor free environment are recommended.

Avoid direct sunlight.

Expiry date: 2 years from the date of manufacture in the original sealed packaging kept in a dry area, ideally between 8 and 20°C.

PACKAGING

The standard packaging is a 5 l in plastic tank.

- Custom packaging available.
- Delivered with Certificate of Analysis.

CERTIFICATIONS

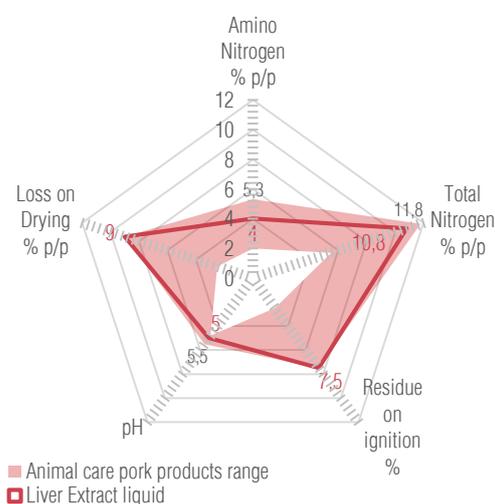


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TYPICAL PHYSICAL & CHEMICAL PROFILE

Product	TN (w/w)	AN (w/w)	pH
Liver Powder	0 - 11 %	1,2 - 2,8 %	5 - 6
Liver Extract 20 mcg/g B12 Swine	10 - 13,5 %	4 - 6 %	4 - 5,5
Liver Extract NFXI Swine	11 - 12,5 %	4 - 6,5 %	4,5 - 5,5
Liver Extract liquid	9 - 12,5 %	3 - 5 %	4,5 - 5,5
Mucosa Extract	10,5 - 13 %	4 - 5,5 %	4,5 - 5,5
Spleen Extract	10,5 - 13 %	4,5 - 6 %	4,2 - 5,5

RANGE OF PHYSICAL & CHEMICAL PROFILE



AVAILABLE ON REQUEST

MICROBIOLOGICAL ANALYSIS

Total Bacterial Count	<i>Salmonella</i> spp.
Bile-tolerant Gram-negative Bacteria	<i>S. aureus</i>
<i>E. coli</i>	Yeasts and Molds

AMINOACID PROFILE

HYDROLYSIS PROFILE

Molecular Weights distribution	Average MW
Degree of hydrolysis	

OTHER ANALYSIS

Heavy Metals	Allergens
Carbohydrates	Fat
Salts and Ashes	Solubility