

### Description

Origin : Toxiprotone® D is obtained by controlled enzymatic digestion of turkey neck tissue of Brazilian origin. It is produced according to proprietary process developed by SOLABIA.

Regulatory : this bovine-free product is of strictly avian origin and complete traceability can be demonstrated.

Application : specifically designed to enable the production of toxins and other secondary metabolites, this peptone is particularly suited for the culture of *Corynebacterium diphtheria*. Characterized by low levels of ash and heavy metals, and a high total Nitrogen content, Toxiprotone® D is suited for the culture of species sensitive to the presence of growth factors and inhibitory substances.



### Physical properties

Appearance : light brown powder  
Stability (2% in solution): slightly opalescent  
Solubility in water at 2%: total

### Microbiological controls

Total aerobic mesophilic flora ≤ 5000 cfu/g

### Chemical characteristics

Nitrites : absent  
Indole : absent

### Chemical analysis

Total nitrogen (N<sub>T</sub>): 13.7%  
α-amino nitrogen (N<sub>α</sub>) : 4.1%  
N<sub>α</sub> / N<sub>T</sub> : 0.30  
pH (5% in solution) : 5.0  
Total carbohydrates : 1.5%  
Chlorides (as NaCl): 6.0%  
Loss on drying ≤ 6.0%  
Sulfuric ash : 8.4%

### Standard packaging

25 kg carton : other formats inquire.  
Delivered with Certificate of Analysis, Certificate of Origin.

### Storage

Keep in original packaging when not in use, tightly sealed in a dry area ideally between 10 and 35°C.  
Avoid direct sunlight. Hygroscopic product.  
Expiry date : 5 years from date of manufacture.

### Amino acid distribution (mg/g)

	Total amino acids (T)		Total amino acids (T)
Aspartic acid	84.0	Methionine	22.0
Threonine	38.0	Isoleucine	35.0
Serine	33.0	Leucine	59.0
Glutamic acid	124.0	Tyrosine	26.0
Proline	42.0	Phenylalanine	30.0
Glycine	71.0	Histidine	17.0
Alanine	56.0	Lysine	64.0
Cysteine	/	Arginine	35.0
Valine	39.0	Tryptophan	/

### Sanitary Attestation

The raw materials used in this product are sourced from Brazilian abattoirs providing complete traceability. Official veterinary certificates and manufacturer's declarations are available for this product upon request.

No bovine materials are used in the manufacturing of this product.

To the best of our knowledge, this product does not have any compliance issues concerning Genetically-Modified Organisms (GMO).

The information presented in this document is submitted in good faith based on internal testing performed at Solabia S.A.S. and represents the best of our knowledge at the present time. It is provided as a guide and no warranty, implied or otherwise is associated with this data, nor is any liability assumed for patent infringement. All data represents typical analyses not to be taken for exact specifications.

End-users are directed to perform proprietary tests to determine suitability and performance for specific applications. The information and results contained in this technical data sheet are susceptible to modification at any time, without warning.  
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