



TECHNICAL DATA SHEET

1850-TDS-ENG-2024

TRIPTOFANO-L (EUR. PH.)		
DESCRIPTION DCI: L-TRYPTOPHAN		DESCRIPTION DOE: L-TRIPTOFANO
CAS Nº: 73-22-3	EC Nº: 200-795-6	AEMPS CODE: ---
MOL. WEIGHT: 204,23	MOL. FORMULA: C ₁₁ H ₁₂ N ₂ O ₂	ARTICLE CODE: 1850

ATTRIBUTES	SHOULD BE
Appearance	White or almost white, crystalline or amorphous powder
Solubility	Sparingly soluble in water, slightly soluble in ethanol (96 per cent). It dissolves in dilute solutions of mineral acids and alkali hydroxides
Identification A	Complies
Identification B	Complies
Appearance of solution	Clear and not more intensely coloured than ref. sol. BY6
Specific optical rotation	-33.0 / -30.0
Ninhydrin-positive substances	
Any ninhydrin-positive substance	=< 0.2 %
Total substances	=< 0.5 %
Impurity A and other related substances	
Impurity A	=< 10 ppm
Sum of impurities RT < Impurity A	=< 100 ppm
Sum of impurities RT > Impurity A	=< 300 ppm
Chlorides	=< 200 ppm
Sulfates	=< 300 ppm
Ammonium	=< 0.02 %
Iron	=< 20 ppm
Loss on drying	=< 0.5 %
Sulfated ash	=< 0.1 %
Assay	98.5 - 101.0 %

COMPLIES WITH

European Pharmacopoeia 11.0

STORAGE

Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place.

REMARKS

L-Tryptophan is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006.

Certificates of residual solvents, allergens, non-GMO and BSE-TSE, among others, are available upon request.

All methods of analysis are validated by official pharmacopoeias or are validated by internal methods of the manufacturer, which can be obtained at specific request. The above information does not exempt from the obligation to identify the product before use.