

CERTIFICATE OF ANALYSIS

Product : L-TRYPTOPHAN

Product number : T0720
Batch number : 017994
Date of analysis : 15-07-2022
Expiry date : 31-07-2027

Packaging and storage : store protected from light

Description	SPECIFICATION white to almost white crystalline powder	RESULT complies	UNITS	REMARKS
Identification	conform	complies		
Appearance of solution	conform	complies		1% in 1M HCl
Specific optical rotation	-33.030.0	-30.0	0	1% in H ₂ O
Ninhydrin-positive substances	conform	conform	%	HPLC
Impurity A and other related	conform	conform	%	HPLC
substances				
pH	5.5 - 7.0	5.8		1% in H ₂ O
Chlorides	\leq 0.02	\leq 0.02	%	
Sulphates	≤ 0.03	\leq 0.03	%	
Ammonium	≤ 0.02	\leq 0.02	%	
Iron	≤ 0.002	\leq 0.002	%	
Heavy metals	≤ 0.0015	\leq 0.0015	%	
Loss on drying	≤ 0.3	0.0	%	3 hr, 105 °C
Sulphated ash	≤ 0.1	\leq 0.1	%	
Assay	98.5 - 101.0	100.2	%	dried substance

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

Q. de Hoog, MSc, pharmacist

Department of Quality Control Duchefa B.V.

Date: 19-09-2023

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.

