

CERTIFICATE OF ANALYSIS

Product : **L-TRYPTOPHAN**
 Product number : T0720
 Batch number : 016913
 Date of analysis : 18-02-2022
 Expiry date : 28-02-2027

Packaging and storage : store protected from light

| Description | SPECIFICATION | RESULT | UNITS | REMARKS |
|---------------------------|---|----------|-------|------------------------|
| Description | white to almost white crystalline powder | complies | | |
| Identification | conform | complies | | |
| Appearance of solution | conform | complies | | 1% in 1M HCl |
| Specific optical rotation | -29.4 – -32.8 | -31.4 | ° | 1% in H ₂ O |
| pH | 5.5 – 7.0 | 5.8 | | 1% in H ₂ O |
| Chlorides | ≤ 0.05 | ≤ 0.05 | % | |
| Lead | ≤ 0.0015 | complies | % | |
| Iron | ≤ 0.003 | complies | % | |
| Loss on drying | ≤ 0.3 | 0.04 | % | 3 hr, 105 °C |
| Residue on Ignition | ≤ 0.1 | ≤ 0.05 | % | |
| Assay | ≥ 98.5 | 99.2 | % | dried substance |

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

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
Department of Quality Control Duchefa B.V.

Date: 28-03-2022



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

Duchefa Biochemie B.V.