

# Specification

Item number: 4858

## L-Tryptophan

≥98,5 %, Ph. Eur., for biochemistry

CAS No.: 73-22-3

print date: 01.01.2024

formula:  $C_{11}H_{12}N_2O_2$

density:

molecular weight: 204,23 g/mol

### Guarantee analysis

<b>Appearance</b>	white to off-white, cryst. or amorphous powder
<b>Assay</b>	98.5-101.0 %
<b>Identity</b>	complies
<b>Appearance of solution</b>	complies
<b>Specific rotation <math>[\alpha]_D^{20}</math> (dry substance)</b>	-33.0° to -30.0°
<b>Foreign amino acids</b>	complies
<b>Loss on drying</b>	≤0.5 %
<b>Sulphated ash</b>	≤0.1 %
<b>Chloride (Cl)</b>	≤0.02 %
<b>Sulphate (SO<sub>4</sub>)</b>	≤0.03 %
<b>Ammonium (NH<sub>4</sub>)</b>	≤0.02 %
<b>Iron (Fe)</b>	≤0.002 %
<b>Impurity A, related substances</b>	complies

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

**Dr. R. Niemand**

Head of Quality Assurance

**S. Lorsee**

Head of Quality Management

*This document is computer printout and has therefore not been signed by hand.*

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