

# Specification

Item number: 3822

## D(+)-Biotin

≥98,5 %, Ph. Eur., for biochemistry

CAS No.: 58-85-5

print date: 01.01.2024

formula:  $C_{10}H_{16}N_2O_3S$

density:

molecular weight: 244,31 g/mol

### Guarantee analysis

<b>Appearance</b>	almost white, cryst. powder
<b>Assay (dry substance)</b>	98.5-100.5 %
<b>Identity</b>	complies
<b>Specific rotation <math>[\alpha]_D^{20}</math> (c=1 in 0,1N NaOH, dry substance)</b>	+89° to +93°
<b>Solution (1 % in 0,1 N NaOH)</b>	clear, colourless
<b>Loss on drying</b>	≤1.0 %
<b>Sulphated ash</b>	≤0.1 %
<b>Residual solvents</b>	complies
<b>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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