

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Biotin – powder, BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99%

Product Number:

B4639

CAS Number:

58-85-5

MDL:

MFCD00005541

Formula:

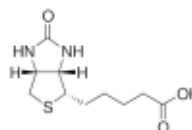
C₁₀H₁₆N₂O₃S

Formula Weight:

244.31 g/mol

Storage Temperature:

2 - 8 °C



TEST

Specification

Appearance (Color)

White to Off White

Appearance (Form)

Powder

Solubility (Color)

Colorless to Faint Yellow

Solubility (Turbidity)

Clear

50 mg/ml, 2 M NH₄OH

Carbon

48.5 - 49.9 %

Nitrogen

11.2 - 11.8 %

Purity (HPLC)

≥ 99 %

1H NMR Spectrum

Conforms to Structure

Cell Culture Test

Pass

Insect Cell Test

Pass

Plant Cell Culture Test

Pass

Recommended Retest Period

4 years

Specification: PRD.1.ZQ5.10000023540

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.