

# Certificate of Analysis



**Product Name:** Biotin-PEG4-NHS Ester  
**Catalog Number:** CCT-B103  
**Lot Number:** 4197X  
**Manufacturing date:** 07 JUL 2021  
**Retest date:** 25 APR 2029  
**Manufacturer:** Vector Laboratories, 8341 E Gelding Drive, Scottsdale, AZ 85260 USA

Assay	Lot Data	Specification
Appearance	White solid	White to grey to pale yellow amorphous solid
Purity		
HPLC, 210 nm	99.4%	≥ 95%
HPLC, ELSD	100%	≥ 95%
LCMS	Confirms	In accordance with structure
<sup>1</sup> H NMR	Confirms	In accordance with structure

Quality Assurance *Alexandra Kulyashova*

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Date: 25 APR 2024

*Vector Laboratories certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.*