

## Certificate of Analysis

Date of Testing: 2023-04-19 11:40:44  
Date of Next Testing: 2026-04-18 11:40:44  
Product Name: **2,9-Bis(3-(dimethylamino)propyl)anthra[2,1,9-def:6,5,10-d'e'f']diisoquinoline-1,3,8,10(2H,9H)-tetraone**  
CAS Number: 117901-97-0  
Specifications & Purity: 98%  
Lot #: D2308934  
SKU #: **D290346**  
Analysis: **191432**

Parameter	Limit Values	Result
Purity(with Total Nitrogen)	98-102.5 (%)	99.63 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(D290346)	Light yellow to Amber to Dark green powder to crystal	Light yellow to Amber to Dark green powder to crystal



John Su  
QA & QC Manager