

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-18 13:25:41  
Date of Next Testing: 2025-09-17 13:25:41  
Product Name: **Merocyanin 540**  
CAS Number: 62796-23-0  
Specifications & Purity: Dye content,90%  
Lot #: L2101412  
SKU #: **M131534**  
Analysis: **277396**

Parameter	Limit Values	Result
Purity(HPLC)	90-100 (%)	99.27000 %
Hydrogen by Elemental Analysis	4.9-5.8 (%)	5.36 %
Carbon by Elemental Analysis	49.1-55 (%)	49.56 %
Appearance (M131534)	Blue Powder or crystals	Blue Powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager