

## Certificate of Analysis

Date of Testing: 2024-07-08 09:43:41  
Date of Next Testing: 2027-07-08 09:43:41  
Product Name: **29H,31H-Phthalocyanine**  
CAS Number: 574-93-6  
Specifications & Purity:  $\beta$ -form, 98%  
Lot #: G2405442  
SKU #: **H475849**  
Version: **1**  
Analysis #: **376990**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	20.9-22.20 (%)	21.58 %
Purity(As C)	98-100 (%)	99.93 %
Appearance(H475849)	Dark Blue, Violet or Black Powder	Dark Blue, Violet or Black Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager