

## Certificate of Analysis

Date of Testing: 2023-05-18 10:57:49  
Date of Next Testing: 2027-05-17 10:57:49  
Product Name: **Phthalazine**  
CAS Number: 253-52-1  
Specifications & Purity: >98.0%  
Lot #: E2310832  
SKU #: **P160145**  
**Analysis:** **156029**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.88000 %
Melting point	89-93 (°C)	89.59000 °C
Appearance (P160145)	yellow to orange to beige to brown powder crystal	yellow to orange to beige to brown powder crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager