

## Certificate of Analysis

Date of Testing: 2023-04-19 13:16:57  
Date of Next Testing: 2027-04-18 13:16:57  
Product Name: **4,13-Diaza-18-crown 6-Ether**  
CAS Number: 23978-55-4  
Specifications & Purity:  $\geq 98.0\%$   
Lot #: D23131187  
SKU #: **D132890**  
**Analysis:** **201539**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	111-116 (°C)	114.90000 °C
Purity(HPLC)	98-100 (%)	100.00000 %
Appearance (D132890)	White to Off-White /Light yellow Powder,Crystals	White to Off-White /Light yellow Powder,Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager