

## Certificate of Analysis

Date of Testing: 2023-04-03 20:10:10  
Date of Next Testing: 2027-04-02 20:10:10  
Product Name: **4,4'-(9-Fluorenylidene)dianiline**  
CAS Number: 15499-84-0  
Specifications & Purity: 99%  
Lot #: C2330173  
SKU #: **F121496**  
**Analysis:** **201040**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	84.9-87.5 (%)	85.32 %
Nitrogen by Elemental Analysis	7.8-8.2 (%)	8.01 %
Purity(HPLC)	98-100 (%)	99.78200 %
Appearance (F121496)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in DMF , very faint turbidity	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager