

## Certificate of Analysis

Date of Testing: 2023-09-09 15:51:44  
Date of Next Testing: 2027-09-08 15:51:44  
Product Name: **2-Cyanoethyl N,N-diisopropylchlorophosphoramidite**  
CAS Number: 89992-70-1  
Specifications & Purity: 95%  
Lot #: I2308358  
SKU #: **C123961**  
**Analysis:** **274196**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(31P-NMR)	95-100 (%)	99.07 %
Refractive index n <sub>20</sub> /D	1.476-1.48	1.48
Appearance (C123961)	Clear to Hazy, Colorless to light yellow liquid	Clear to Hazy, Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager