

## Certificate of Analysis

Date of Testing: 2023-04-13 15:46:50  
Date of Next Testing: 2025-04-12 15:46:50  
Product Name: **Butyl Cyanoacetate**  
CAS Number: 5459-58-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2129123  
SKU #: **B133488**  
**Analysis: 210863**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.424-1.428	1.43
Purity(GC)	98-100 (%)	98.22 %
Density (20°C)	0.999-1.006	1.00
Appearance (B133488)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager