

## Certificate of Analysis

Date of Testing: 2022-03-21 19:31:46  
Date of Next Testing: 2026-03-20 19:31:46  
Product Name: **(S)-(-)- $\beta$ -Citronellol**  
CAS Number: 7540-51-4  
Specifications & Purity: 99%  
Lot #: C2219396  
SKU #: **C111343**  
Analysis: **076129**

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.52%
Density (20°C)	0.854-0.858	0.85
Refractive index n <sub>20</sub> /D	1.454-1.458	1.46
Specific Rotation [α] <sub>20</sub> /D(c=Neat)	-7--3 (°)	-5.25°
Appearance (C111343)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager