

## Certificate of Analysis

Date of Testing: 2023-05-09 17:05:41  
Date of Next Testing: 2025-05-08 17:05:41  
Product Name: **Dipropylene glycol monobutylether**  
CAS Number: 29911-28-2  
Specifications & Purity:  $\geq 98\%$ , Mixture of isomers  
Lot #: G2121228  
SKU #: **D133306**  
Analysis: **220400**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.01 %
Refractive index n <sub>20</sub> /D	1.425-1.427	1.43
Appearance (D133306)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager