

## Certificate of Analysis

Date of Testing: 2024-11-29 11:15:33  
Date of Next Testing: 2028-11-28 11:15:33  
Product Name: **Isosorbide Dimethyl Ether**  
CAS Number: 5306-85-4  
Specifications & Purity:  $\geq 98\%$ (GC)  
Lot #: K2425357  
SKU #: **I157534**  
Version: **0**  
Analysis #: **437665**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.09%
Refractive index n <sub>20</sub> /D	1.462-1.464	1.46
Specific Rotation [α] <sub>20</sub> /D(c=2 in CHCL <sub>3</sub> )	96-99 (°)	98.92°
Density (20°C)	1.166-1.169	1.17
Appearance (I157534)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager