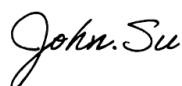


Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2022-12-22 10:55:43
Date of Next Testing: 2023-11-22 10:55:43
Product Name: **Heptylmagnesium Bromide**
CAS Number: 13125-66-1
Specifications & Purity: 1.0 M in THF
Lot #: L2216205
SKU #: **H110247**
Analysis: **166318**

Parameter	Limit Values	Result
Concentration(Titration AgNO ₃)	0.95-1.1 (mol/L)	1.07000 mol/L
Appearance (H110247)	Light Grey to Brown Liquid	Light Grey to Brown Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager