

Certificate of Analysis

Date of Testing: 2023-09-27 17:03:54
Date of Next Testing: 2026-09-26 17:03:54
Product Name: **MAPA**
CAS Number: 54856-22-3
Specifications & Purity: $\geq 99.5\%$ (4 Times Purification)
Lot #: I2325095
SKU #: **M491803**
Analysis: **270446**
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	99.5-100.5 (%)	99.51%
Appearance(M491803)	Colorless to light Yellow liquid	Colorless to light yellow liquid
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager