

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-06-13 10:30:46
Date of Next Testing:	2026-06-12 10:30:46
Product Name:	Mandyphos SL-M004-1
CAS Number:	494227-37-1
Specifications & Purity:	≥97%
Lot #:	F2306603
SKU #	S464300
Analysis:	215564
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	70.80-75.18 (%)	72.27 %
Specific rotation [α] ₂₀ /D(C=1, CHCl ₃)	-70~-60 (°)	-67.20°
Appearance(S464300)	Light Yellow to Very Dark Yellow and Orange-red to Very Dark Orange Powder or Crystals	Light Yellow to Very Dark Yellow and Orange-red to Very Dark Orange Powder or Crystals
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Phosphorus NMR spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager