

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-28 19:49:50

Date of Next Testing: 2027-02-27 19:49:50

Product Name: **Guanosine 5'-(trihydrogen diphosphate) P'-D-mannopyranosyl ester disodium salt**

CAS Number: 103301-73-1

Specifications & Purity: 98%

Lot #: B2324580

SKU #: **G407406**

Analysis: **188031**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.20000 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager