

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-28 20:00:35  
Date of Next Testing: 2027-02-27 20:00:35  
Product Name: **Flavin adenine dinucleotide disodium salt hydrate**  
CAS Number: 1891059-93-0  
Specifications & Purity: 95%  
Lot #: B2324655  
SKU #: **F100614**  
**Analysis: 135338**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	2.74 %
Molar Extinction Coefficient(H <sub>2</sub> O, 448.0 to 450.0 nm)	≥10000	10638.59
Purity(HPLC)	95-100 (%)	96.55600 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-30--25 (°)	-29.98 °
Appearance (F100614)	Yellow to Orange Powder	Yellow to Orange Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Orange to Red, Clear, 50 mg/mL	pass	Pass



John Su  
QA & QC Manager