

## Certificate of Analysis

Date of Testing: 2025-05-28 13:32:19  
Date of Next Testing: 2029-05-27 13:32:19  
Product Name: **Flavin adenine dinucleotide disodium salt hydrate**  
CAS Number: 1891059-93-0  
Specifications & Purity:  $\geq 95\%$   
Lot #: E2521338  
SKU #: **F100614**  
Version: **0**  
Analysis #: **518343**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	4.50 %
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in H}_2\text{O})$	-30--25 ( $^{\circ}$ )	-27.30 $^{\circ}$
Molar Extinction Coefficient(H <sub>2</sub> O,448.0 to 450.0 nm)	$\geq 10000$	11293.00
Purity(HPLC)	95-100 (%)	97.60000 %
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