

## Certificate of Analysis

Date of Testing: 2023-09-25 10:18:40  
Date of Next Testing: 2027-09-24 10:18:40  
Product Name: **Flavin adenine dinucleotide disodium salt hydrate**  
CAS Number: 84366-81-4  
Specifications & Purity: for cell culture, >95%  
Lot #: I2320559  
SKU #: **F100990**  
**Analysis: 274073**  
Storage Temperature: Store at -20°C, Argon charged

| Parameter   | Limit Values            | Result                  |
|---|-------------------------|-------------------------|
| EmM Anhydrous(pH 7.0, $\lambda$ Max: 375 to 377 nm) | 8.5-9.5                 | 9.44                    |
| Water by Karl Fischer                               | 0-10 (%)                | 1.98 %                  |
| EmM Anhydrous(pH 7.0, $\lambda$ Max: 448 to 450 nm) | 10.5-11.8               | 11.72                   |
| Purity(HPLC)  | 95-100 (%)              | 96.73000 %              |
| Appearance (F100990)                                | Yellow to Orange Powder | Yellow to Orange Powder |
| Infrared spectrum                                   | Conforms to Structure   | Conforms to Structure   |
| Cell Culture Test                                   | pass                    | Pass                    |



John Su  
QA & QC Manager