

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-23 09:55:10  
Date of Next Testing: 2027-05-22 09:55:10  
Product Name: **5-Hydroxy-L-tryptophan**  
CAS Number: 4350-09-8  
Specifications & Purity: 99%  
Lot #: E23101053  
SKU #: **H111084**  
**Analysis: 161745**  
Storage Temperature: Store at 2-8°C

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Purity(HPLC)  | 99-100 (%)            | 99.71200 %            |
| Heavy metal (as Pb)   | 0-10 (ppm)            | 5.00 ppm              |
| Water by Karl Fischer   | 0-1 (%)               | 0.50 %                |
| Sulfate Ash   | 0-0.3 (%)             | 0.13 %                |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) | -35--31 (°)           | -31.05 °              |
| Appearance (H111084)  | White to Beige Powder | white to beige powder |
| Proton NMR spectrum   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager