

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-26 14:38:23  
 Date of Next Testing: 2028-07-25 14:38:23  
 Product Name: **Concanavalin A from Canavalia ensiformis (Jack bean)**  
 CAS Number: 11028-71-0  
 Specifications & Purity: Type IV, lyophilized powder  
 Lot #: G2525257  
 SKU #: **C755208**  
 Version: **1**  
 Analysis #: **543913**  
 Storage Temperature: Store at -20°C

| Parameter                                                                                          | Limit Values              | Result                    |
|----------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Calcium(Ca)                                                                                        | ≤ 0.12 (%)                | 0.12000 %                 |
| Manganese(Mn)                                                                                      | ≤ 0.08 (%)                | 0.07000 %                 |
| Reducing sugars(as glucose)                                                                        | 0-0.5 (%)                 | 0.10000 %                 |
| Protein by Biuret                                                                                  | ≥95 (%)                   | 100.00000 %               |
| Purity by SDS Electrophoresis                                                                      | 90-100 (%)                | 94.00000 %                |
| Agglutination Activity                                                                             | ≤ 64 (µg/ml)              | 4.00000 µg/ml             |
| N-acetyl-D-Glucosamine                                                                             | ≤ 10000 (µg/ml)           | 5000.00000 µg/ml          |
| D-(+)-glucose                                                                                      | ≤ 10000 (µg/ml)           | 2500.00000 µg/ml          |
| D-(+)-mannose                                                                                      | ≤ 10000 (µg/ml)           | 625.00000 µg/ml           |
| D-Fructose                                                                                         | ≤ 10000 (µg/ml)           | 1250.00000 µg/ml          |
| Methyl-A-D-Mannopyranoside                                                                         | ≤10000 (µg/ml)            | 78.00000 µg/ml            |
| Sucrose                                                                                            | ≤10000 (µg/ml)            | 5000.00000 µg/ml          |
| Appearance(C755208)                                                                                | White to Off White Powder | White to Off White Powder |
| Solubility in 10 mg/mL H <sub>2</sub> O, Colorless to Faint Yellow Very Slightly Hazy to Very Hazy | Pass                      | Pass                      |
| N-acetyl-D-galactosamine(No inhibition detected at 10,000 ug/mL)                                   | Pass                      | Pass                      |
| D-(+)-Galactose (No inhibition detected at 10,000 ug/mL)                                           | Pass                      | Pass                      |



[QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com)

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

John Su  
QA & QC Manager