

Art no: 05-0106

Lot no: 282518

## CERTIFICATE OF ANALYSIS



|                  |   |
|------------------|---|
| Product name:    | Concanavalin A, <i>Canavalia ensiformis</i> (Jack bean) Lectin. |
| Production date: | 2022-08   |
| Date of release: | 2022-08-19  |
| Expiry:          | 2027-08   |
| Form:            | Lyophilized   |

| Analysis                                 | Specification   | Result   |
|--|---|--|
| Appearance                               | White powder or flocculate by visual inspection resulting in a clear solution.  | Fulfills requirement   |
| Solubility                               | Dissolves in PBS buffer pH 7.4 within 5 minutes (1mg/ml).   | Fulfills requirement   |
| Assay (%)                                | > 90 % by A <sub>280nm</sub> ( $\epsilon_{1\text{mg/ml}} = 1,14$ )  | 93.4, fulfills requirement   |
| Electrophoresis                          | 4 major bands in SDS-electrophoresis, comparable to reference sample.   | Fulfills requirement, see appendix 1.  |
| Activity<br>Haemagglutination/inhibition | Agglutinates human erythrocytes (2% blood solution) when lectin concentration is $\leq 40 \mu\text{g/ml}$ in 0.9 % NaCl.<br>The agglutination activity is inhibited by 100 mM D-glucose, at a lectin concentration of $\geq 300 \mu\text{g/ml}$ . | Agglutination at $21 \mu\text{g/ml}$ ; fulfills requirement, see appendix 2. |
| Bacterial burden                         | Less than $10^2$ CFU per 1 g of solid substance.  | Fulfills requirement   |

### Appendixes:

1. SDS-PAGE
2. Activity, Hemagglutination control.

The above material has met all quality specifications and has been reviewed by a quality representative.

Quality Assurance, Anna Eliasson

2022-08-19

Date