

Art no: 05-0106

## CERTIFICATE OF ANALYSIS

Lot no: 221517



Product name:	Concanavalin A, <i>Canavalia ensiformis</i> (Jack bean) Lectin.
Production date:	2016-04, Retested 2022-02*
Date of release:	2020-03-25
Expiry:	2024-07
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%, fulfills requirement
Electrophoresis	4 major bands in SDS-electrophoresis, comparable to reference sample.	Fulfills requirement
Activity Haemagglutination/inhibition*	Agglutinates human erythrocytes (2% blood solution) when lectin concentration is $\leq 42 \mu\text{g/ml}$ in 0.9 % NaCl. The agglutination activity is inhibited by 100 mM D-glucose, at a lectin concentration of $\geq 300 \mu\text{g/ml}$ .	Agglutination at $42 \mu\text{g/ml}$ ; fulfills requirement, see appendix 1.
Bacterial burden	Less than $10^2$ CFU per 1 g of solid substance.	Fulfills requirement

Appendixes:

1. Activity, Haemagglutination control.

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

Quality Assurance, Max Johansson

2022-03-07

Date