

Art no: 05-0106

CERTIFICATE OF ANALYSIS

Lot no: 282518

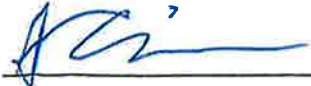


Product name:	Concanavalin A, <i>Canavalia ensiformis</i> (Jack bean) Lectin.
Production date:	2022-08
Date of release:	2022-08-19
Expiry:	2027-08
Form:	Lyophilized

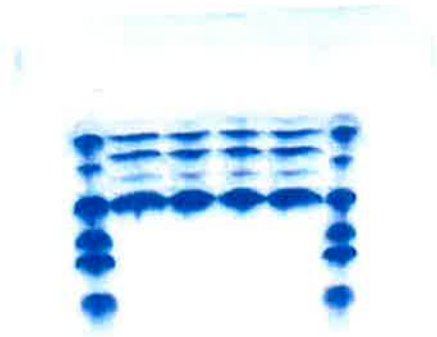
Analysis	Specification	Result
Appearance	White powder or flocculate by visual inspection resulting in a clear solution.	Fulfills requirement
Solubility	Dissolves in PBS buffer pH 7.4 within 5 minutes (1 mg/ml).	Fulfills requirement
Assay (%)	> 90 % by A_{280nm} ($\epsilon_{1mg/ml} = 1,14$)	93.4, fulfills requirement
Electrophoresis	4 major bands in SDS-electrophoresis, comparable to reference sample.	Fulfills requirement, see appendix 1.
Activity Haemagglutination/inhibition	Agglutinates human erythrocytes (2% blood solution) when lectin concentration is $\leq 40 \mu\text{g/ml}$ 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 $21 \mu\text{g/ml}$; 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.
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The above material has met all quality specifications and has been reviewed by a quality representative.


Quality Assurance, Anna Eliasson

2022-08-19
Date



Com A

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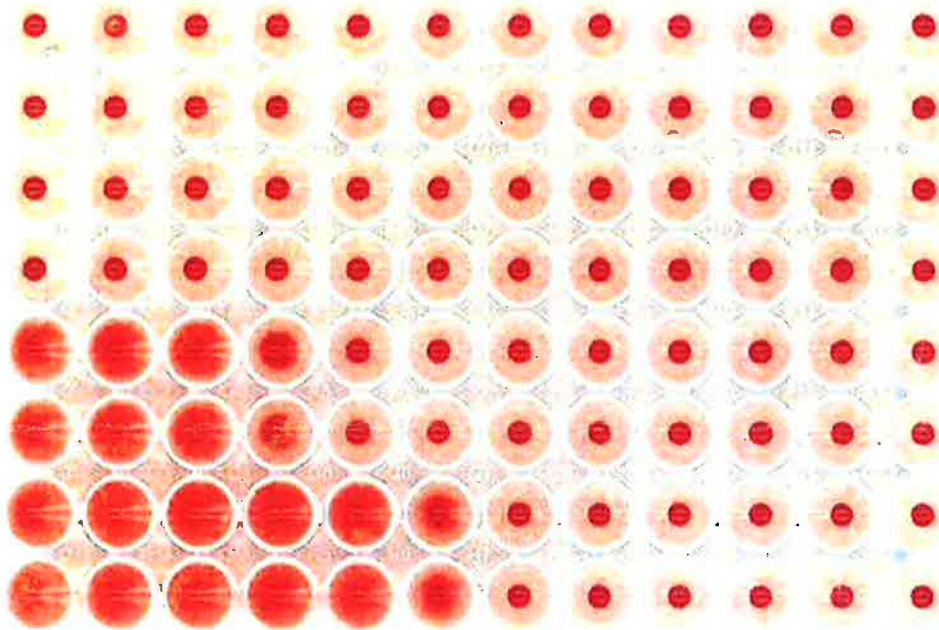
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2022-08-15/ SALAH



Haemagglutination (human blood, group 0)
Concanavalin A (Con A), lot: 282518

Col	1	2	3	4	5	6	7	8	9	10	11	12
Conc	333	167	83	42	21	10	5.2	2.6	1.3	0.6	0.3	0.16 $\mu\text{g/mL}$
Titer	0	2	4	8	16	32	64	128	256	512	1024	2048



Row A,B Blank
 Row C-D 100 mM D-Glucose
 Row E-F 10 mM D-Glucose
 Row G-H NaCl, agglutination control

Signature: 
 Salah Ahmed / 2022-08-16