

Art no: 05-0116

CERTIFICATE OF ANALYSIS

Lot no: 173502



Intertek

Product name:	Arachis hypogaea lectin, PNA
Production date:	2011-09
Date of release:	2011-10-24; Retested 2024-07 ¹
Stability:	2027-01
Source:	Peanut
Form:	Lyophilized

Analysis	Specification	Result
Appearance ¹	White to light yellow powder or flocculate by visual inspection resulting in a clear solution.	Fulfills requirement
Solubility ¹	Dissolves in PBS buffer pH 7.4 within 5 minutes.	Fulfills requirement
Assay (%)	> 85 % by OD _{280nm} (ε 1mg/ml = 0,96) in PBS pH 7.4 after filtration through 0.2 µm acetate membrane.	86,3%, fulfills requirement
Electrophoresis	One major band in SDS-electrophoresis, comparable to reference sample.	Fulfills requirement, see appendix 1.
Activity Haemagglutination/inhibition ¹	Agglutinates rabbit erythrocytes at a lectin concentration down to 3.0 µg/ml. The agglutination is inhibited by 300 mM D-galactose.	Fulfills requirement, see appendix 2.
Bacterial burden	Less than 10 ² CFU per 1 g of solid substance.	90 CFU/g, Fulfills requirement

Appendixes:

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

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

Quality Assurance, Robert Bergman

2024-07-23

Date