



Product name:	Trichosanthes japonica agglutinin II (TJA-II)
Production date:	2015-01
Date of release:	2016-02-11 (Retest 2020-07-27*)
Stability:	2023-01
Source:	Root tubers of <i>Trichosanthes japonica</i>
Form:	Lyophilized
Storage:	-18 °C (may be shipped at ambient temp)

Analysis	Specification	Result
Appearance*	White powder or flocculate by visual inspection resulting in a clear solution.	Fulfills requirement
Purity (%)	> 90 % by SDS-PAGE investigation.	Fulfills requirement
Identity (SDS-PAGE)*	One major band in SDS-electrophoresis at 64 kDa unreduced and two bands at 29 and 33 kDa reduced.	Fulfills requirement, see appendix 1.
Haemagglutination*	Agglutinates human blood group 0 erythrocytes at a lectin concentration down to 42 µg/ml. The agglutination is inhibited by 100 mM lactose at a lectin concentration ≤ 42 µg/ml	42 µg/ml, fulfills requirement. Inhibition by 100 mM lactose at lectin concentration ≤ 167 µg/ml, see appendix 2.

Appendices:

1. SDS-PAGE
2. Haemagglutination

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

Quality Assurance, Charlotte Ardanius

2020-07-27

Date