

## Certificate Of Analysis

**Name:** Ipilimumab  
**CAS No.:** 477202-00-9  
**Cat No.:** A936432  
**Batch No.:** I20072019  
**Mfg.Date:** 2019.07.20  
**Exp.Date:** 2021.07.19

Items	Specifications	Results
Appearance	Light yellow to colorless liquid	Conforms
Ph value	7.0±0.3	7.0
Concentration	5.0±0.5mg/ml	5.0mg/ml
Non-reduced CE-SDS	Main peak NLT 90.0%	98.8%
SEC-HPLC	Main peak NLT 95.0%	99.7%
Isoelectric Point	Corresponds to reference standard	Conforms
Bacterial endotoxins	NMT 2EU/mg	<1EU/mg
Residual proteins of host cell	NMT 100 ng/mg	3ng/mg
Exogenous residual DNA	NMT 100pg/mg	<1 pg/mg
Residual protein A	NMT 100 ng/mg	<1 ng/mg
Biological Activity	Compared with standard, the range of biological activity is from 80% to 125%	104.0%
Osmolality	Corresponds to reference standard	Conforms
Peptide mapping	Corresponds to reference standard	Conforms
N-terminal sequence	Corresponds to reference standard	Conforms
Conclusion	The product tested complies with the specifications.	

**Storage condition: Store in a tightly closed container in a cool and dry place.**

Checker:

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 \*If you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)

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