

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-08-26 17:34:39
Date of Next Testing:	2025-08-25 17:34:39
Product Name:	Nivolumab (anti-PD-1)
Lot #:	ZJ23F0800918
SKU #:	N411994
Version:	2
Analysis #:	000699
Clone ID:	
Isotype:	Human IgG4SP
Source:	CHO supernatant
Formulation:	Liquid
Concentration:	6.74mg/mL
Buffer Solution:	Supplied as a 0.22 µm filtered solution in 100mM Pro-Ac, 20mM Arg, pH 5.0
Storage Conditions:	Store at -80°C, Avoid repeated freezing and thawing
Analysis:	000699

Parameter	Limit Value	Result
Purity(SDS-PAGE)	95-100(%)	100.00000 %
Molecular Weight	160.7-196.5(kD)	178.60000 kD
Purity (SEC)	95-100(%)	100.00000 %
Appearance(N411994)	Colourless liquid	Colourless liquid
Endotoxin Level < 1 EU/mg	Conform	Conform
Cell binding	Conform	Conform
PD-1 binding	Conform	Conform



 Sophia Cheng
 Quality Assurance