

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-11 16:22:59

Date of Next Testing: 2025-12-11 16:22:59

Product Name: **Vaccinia Capping Enzyme**

CAS Number:

Specifications & Purity: pharmaceutical grade, PharmPure™

Lot #: I2202985

SKU #: **V406454**

Version: **3**

Analysis #: **447809**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	95.60000 %
Enzyme Activitiy (Cap modification and efficiency measurement)	10000-10500 (IU/ml OR u/ml)	10000.00000 IU/ml OR u/ml
Exo DNA Residue(realtime fluorescence quantitative PCR,RTFQ PCR)	≤100 (μg/kg OR ng/g)	0.20000 μg/kg OR ng/g
Host Protein Residue	≤50 (ppm)	1.30000 ppm
Heavy metal residue	≤10 (ppm)	4.00000 ppm
Endonuclease Residue(10U and 004-DNA,37°C,6h)	≤10 (%)	0.00000 %
Exonuclease Residue(10U and 019HindIII DNA,37°C,6h)	≤10 (%)	0.00000 %
Rnase Residue(10U and 293-RNA,37°C,6h)	≤10 (%)	2.50000 %
Endotoxin Content Of Aspergillus	≤5 (EU/ml)	4.10000 EU/ml
Mycoplasma Detection(Mycoplasma detection kit)	Negative	Negative



John Su
QA & QC Manager