

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-04 09:26:21

Date of Next Testing: 2027-11-04 09:26:21

Product Name: **Recombinant Firefly Luciferase**

CAS Number: 61970-00-1

Specifications & Purity: Recombinant, endotoxin tested, Enzympure™, sterile, $\geq 95\%$, $\geq 2.0 \times 10^{11}$ RLU/mg protein; expressed in E.coli

Lot #: J2522551

SKU #: **L465055**

Version: **2**

Analysis #: **589347**

Storage Temperature: Protected from light, Store at -20°C , Avoid repeated freezing and thawing

Parameter	Limit Values	Result
Enzyme activity(protein, 10^{11} RLU/mg)	≥ 2	2.80000
Endotoxin Level	< 1 (EU/ μg)	0.50000 EU/ μg
Molecular Mass	56-65 (kDa)	62.00000 kDa
Purity(SDS-PAGE)	95-100 (%)	96.00000 %
Appearance(L465055)	Colorless to pale yellow clear liquid, must not contain visible insoluble matter	Colorless to pale yellow clear liquid, must not contain visible insoluble matter
Sterility Tests	passes test	Passes test



John Su
QA & QC Manager