

## Beijing T&L Biotechnology Co.,Ltd.Product COA

Report number: 20230105

Name	Recombinant human IL-7 Protein	Catalog number	GMP-TL506-0050
Batch number	2304005	Specification	50µg/vial
Production Date	2023.04.06	Storage condition	2~8°C
Valid until	2025.04.05	Report date	2023.04.27

### Test items:

Itemn	Acceptance Criteria	Result
Appearance	Freeze-dried preparation, the form should be white loose body	Compliance
Identify	The electrophoretic bands should be consistent with the molecular weight of the product	Compliance
Visible particle	Should be no visible particle	Compliance
Endotoxin	<0.01EU/µg	<0.01EU/µg
Purity	SDS-PAGE	Compliance
Sterility	No growth	No growth
Mycoplasma	Should be negative	Negative
pH	6.5~7.5	7.0
Moisture	≤4.0%	3%
Host protein residue	<100ppm	Compliance
Host DNA residue	<50ng/mg	Compliance
Biological activity	The ED <sub>50</sub> of CD <sub>3</sub> monoclonal antibody activated PBMC cells was 0.5~20ng/ml, and the corresponding specific activity was >1.0×10 <sup>7</sup> IU/mg	1.19×10 <sup>8</sup> IU/mg
Conclusion	This product is tested in accordance with the Chinese Pharmacopoeia as well as T&L Biotechnology Co.,Ltd. internal specification, the results meet the requirements.	

Reported by: Wang Tingting Report date: 2023.04.27

Approved by: XuRong Date of approval: 2023.04.27