

## Certificate of Analysis

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Product Name: Ranibizumab  
Cat. No.: GC19801  
Batch No.: 3  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 347396-82-1  
Molecular Formula:  
Molecular Weight:

### ANALYTICAL DATA

Appearance: Colorless to light yellow (Solution)  
Purity(IEC-HPLC): 98%  
Concentration: 3.61 mg/mL  
pH Value: 5.5  
Endotoxin Level: <4 EU/mL  
Biological Activity: 1.1 E4 U/mg  
Formulation: It is formulated in a sterile solution containing  $\alpha,\alpha$ - Trehalose dihydrate, histidine, histidine hydrochloride monohydrate, polysorbate 20.  
Storage and Handling: -80°C, avoid multiple freeze-thaws.  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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