



**CERTIFICATE OF ANALYSIS**  
**Recombinant Human GM-CSF**  
**(Granulocyte-Macrophage Colony-Stimulating Factor)**  
**Powder**  
**(Catalog Number 300-124P)**

Lot Number: G423000

Date Received: \_\_\_\_\_

Storage Temperature:  $\leq -10^{\circ}\text{C}$

Product Expiry\*: \_\_\_\_\_

For Cell culture, Further Manufacturing or Research use Only. Not for Direct Therapeutic Use.

\*Expiration Date is one year from the date of receipt when stored at  $-20$  to  $-80^{\circ}\text{C}$

| Test                                 | Methodology                   | Analysis                |
|--------------------------------------|-------------------------------|-------------------------|
| Biological Testing                   |                               |                         |
| Endotoxin                            | USP<85>, EP 2.6.14            | <0.05 EU/ $\mu\text{g}$ |
| Biological Testing                   |                               |                         |
| Purity                               | Coomassie Staining            | >95%                    |
| Biological Activity ED <sub>50</sub> | TF-1 cell proliferation assay | 0.048 ng/mL             |

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

VANESSA YOUNG

Name

QA ASSOCIATE II

Title

29 MAR 2023

Date