



**CERTIFICATE OF ANALYSIS**  
**Macrophage Colony Stimulating Factor**  
**M-CSF**  
**Mouse Recombinant Powder**  
**(Catalog Number 300-332P)**

**Lot Number:** G423180

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

**Storage Temperature:** ≤ -10°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°C

Test	Methodology	Analysis
Biological Testing		
Endotoxin	USP <85>/ EP 2.6.14	<0.005 EU/μg
Biological Testing		
Purity	Coomassie Staining	>95%
Biological Activity ED <sub>50</sub>	NFS-60 cell proliferation assay	0.165 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.

Korrina Nicewonger  
Name

QC Associate II  
Title

13DEC2023  
Date