

## Certificate of Analysis

Date of Testing: 2022-09-05 15:11:00  
Date of Next Testing: 2026-09-04 15:11:00  
Product Name: **Manganese**  
CAS Number: 7439-96-5(power)  
Specifications & Purity: 99.95% metals basis  
Lot #: H2222274  
SKU #: **M105838**  
**Analysis:** **054944**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.95-100 (%)	99.96 %
Trace Metal Analysis	0-500 (ppm)	368.00 ppm
Appearance (M105838)	Grey powder	Grey powder
ICP: Confirms Mn Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager