

## Certificate of Analysis

Date of Testing: 2023-01-09 15:10:57  
Date of Next Testing: 2027-01-08 15:10:57  
Product Name: **Manganese carbonate**  
CAS Number: 598-62-9  
Specifications & Purity: 99.95% metals basis  
Lot #: A2304312  
SKU #: **M111695**  
**Analysis: 154983**

Parameter	Limit Values	Result
Total Metallic Impurities	0-500 (ppm)	500.00 ppm
Mn(Complexometric EDTA)	46.1-49.5 (%)	46.11 %
Purity(Based On Trace Metals Analysis)	99.95-100 (%)	99.95 %
Appearance (M111695)	light brown powder	light brown powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager