

## Certificate of Analysis

Date of Testing: 2022-08-08 13:21:54  
Date of Next Testing: 2026-08-07 13:21:54  
Product Name: **Manganese carbonate**  
CAS Number: 598-62-9  
Specifications & Purity: 99.95% metals basis  
Lot #: G2228779  
SKU #: **M111695**  
**Analysis: 114332**

Parameter	Limit Values	Result
Total Metallic Impurities	0-500 (ppm)	132.00 ppm
Purity(Based On Trace Metals Analysis)	99.95-100 (%)	99.99 %
Mn(Complexometric EDTA)	46.1-49.5 (%)	46.18 %
Appearance (M111695)	light brown powder	light brown powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager