

Certificate of Analysis

Date of Testing: 2024-12-28 13:34:29

Date of Next Testing: 2028-12-27 13:34:29

Product Name: **Manganese carbonate**

CAS Number: 598-62-9

Specifications & Purity: AR

Lot #: L2420750

SKU #: **M111694**

Version: **1**

Analysis #: **444098**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	0-0.1 (%)	0.00 %
Iron(Fe)	0-0.003 (ppm)	0.00 ppm
Insoluble matter in HNO ₃	0-0.1 (%)	0.00 %
Alkali and alkali earth metals	0-0.1 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.1 (%)	0.00 %
Zinc(Zn)	0-0.02 (%)	0.00 %
Chloride (Cl ⁻)	0-0.05 (%)	0.00 %
Heavy metal (as Pb)	0-0.002 (ppm)	0.00 ppm
Mn(Complexometric EDTA)	44-48 (%)	44.23 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager