

Certificate of Analysis

Product Name	MANGANESE ASCORBATE	Batch No.	M23M04100
CAS No.	16351-10-3	MFG. Date	Apr 10, 2023
CAT No.	M081920	Retest Date	Apr, 2025
Items	Specification	Results	
Appearance	Light yellow to brown powder	Conforms	
Manganese(on dried basis), w/%	≥ 13.0	Conforms	
Loss on drying, w/%	≤ 9.0	Conforms	
PH	3.5~6.0	Conforms	
Bulk density ,g/ml	≥ 0.45	Conforms	
Tapped density, g/ml	≥ 0.75	Conforms	
Particle size, w/%	90% passing 80 mesh	Conforms	
Heavy metals, mg/kg	≤ 10	Conforms	
Pb, mg/kg	≤ 1	Conforms	
As, mg/kg	≤ 1	Conforms	
Cd, mg/kg	≤ 1	Conforms	

Hg, mg/kg	≤ 0.1	Conforms
Total viable count, cfu/g	≤ 1000	Conforms
Yeast and Mould, Cfu/g	≤ 25	Conforms
Coliform bacteria, /g	Negative	Conforms
Escherichia Coli, /g	Negative	Conforms
Salmonella, /10g	Negative	Conforms
Staphylococcus aureus, /g	Negative	Conforms
Enterobacter sakazakii, /g	Negative	Conforms
Shigella Castellani, /g	Negative	Conforms
Conclusion	Corresponds.	
Storage Condition	Keep container tightly closed in a dry and well-ventilated place.	

QC:

Alex Foster

QA:

Felix Hobart