

**Product Name: Manganese Metal****HS Code: 81110011**

Property	Typical Value	Test Method	Specification / Limit	Result
Purity (Mn) %	99.8	ASTM E350 / ISO 4296	Min 99.7	99.8
Silicon (Si) %	0.005	ASTM E350	Max 0.01	0.005
Carbon (C) %	0.02	ASTM E1019	Max 0.05	0.02
Sulfur (S) %	0.03	ASTM E1019	Max 0.05	0.03
Phosphorus (P) %	0.005	ASTM E60	Max 0.01	0.005
Iron (Fe) %	0.01	ASTM E350	Max 0.02	0.01



Selenium (Se) %	0.06	In-house Method	Max 0.1	0.06
Color / Appearance	Silvery-Gray Metallic	Visual	—	Bright Metallic
Particle / Form	Flakes, Lumps, or Briquettes	Visual	As per customer requirement	Flakes
Mechanical Impurities	Absent	Visual / Filtration	Absent	Absent