

FINAL REPORT

MANGANESE REPORT

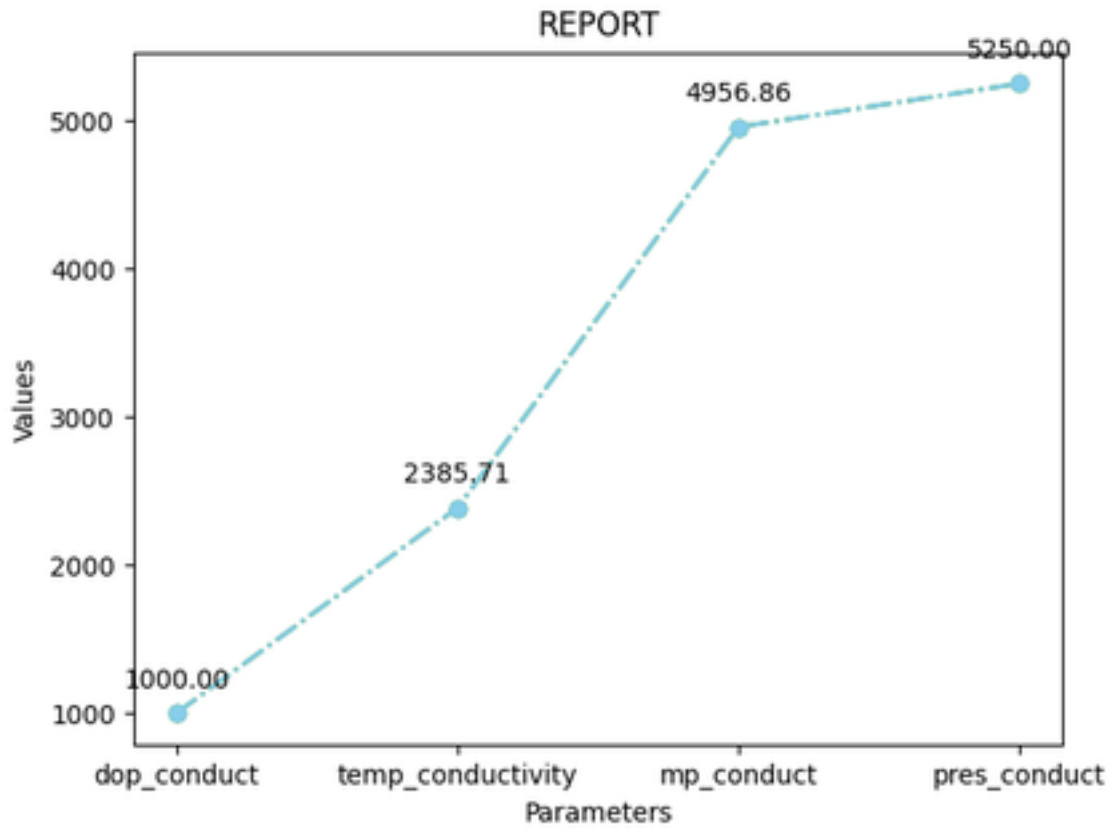
S.No	CONTENT	RESULT ANALYSIS
1	Manganese Composition	MnS2 Cathode
2	Manganese Form	MnS2 powder
3	Size	DIA : 14.3 mm - 14.4 mm & Length: 50.3 - 50.4 mm
4	Weight	194.9473 grams

POROSITY REPORT

S.No	CONTENT	RESULT ANALYSIS
1	Porosity Value	0.170835
2	Mercury Intruduced	0.027 cm ³ /g
3	Prediction	9.05 %
4	Result	Porosity is optimal (9.05%) Good Conductivity & best suitability

CONDUCTIVITY REPORT

Parameters	Input	Expected(S/m)	Conductivity Value(S/m)
Doping (gms)	Al 974.73650000000001	7279.5	1000.0
Temperature (°C)	125	5700.0	2385.71
Melting Point (°C)	660	4464.92	4956.86
Pressure (MPa)	5050	1090.0	5250.0



DURATION OF ANALYSIS : 3.768 seconds