

FINAL REPORT

MANGANESE REPORT

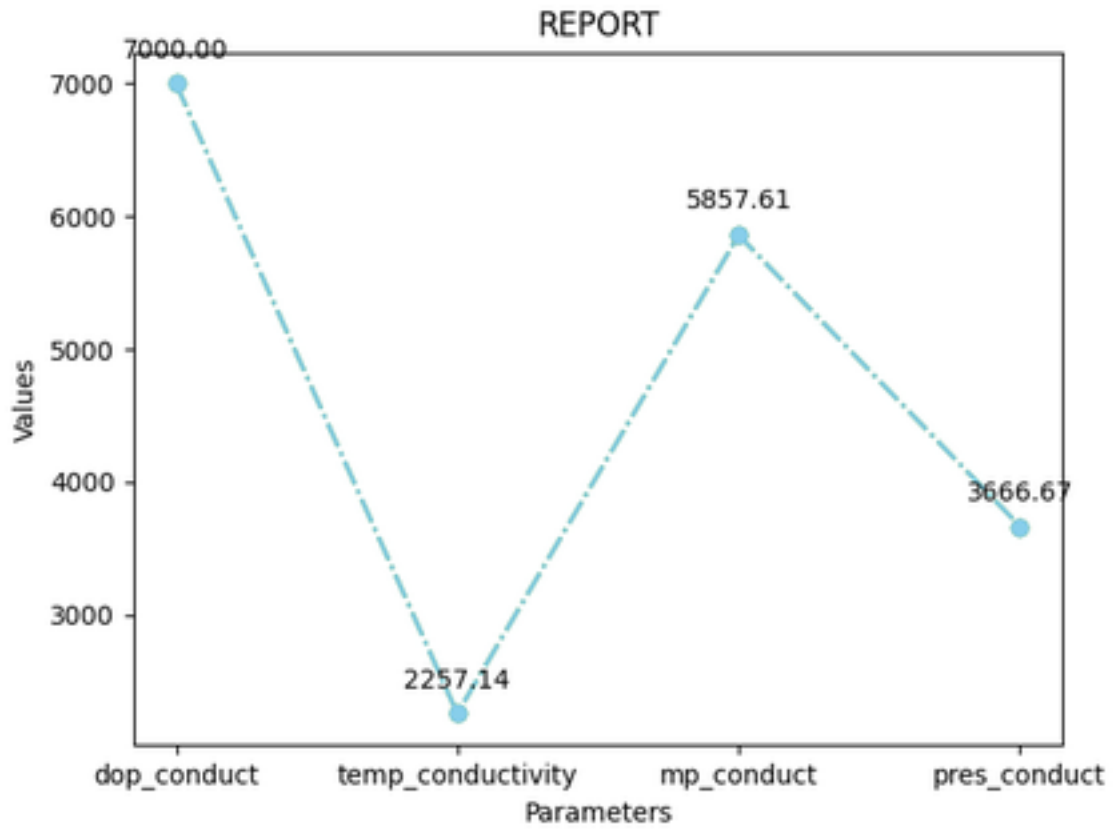
S.No	CONTENT	RESULT ANALYSIS
1	Manganese Composition	MnS2 active layer
2	Manganese Form	MnS2 Thin Film
3	Size	50mm x 10mm x 5micrometre
4	Weight	49.875 grams

POROSITY REPORT

S.No	CONTENT	RESULT ANALYSIS
1	Porosity Value	0.170835
2	Mercury Intruded	0.027 cm ³ /g
3	Prediction	7.18 %
4	Result	Porosity is optimal (7.18%) Good Conductivity & best suitability

CONDUCTIVITY REPORT

Parameters	Input	Expected(S/m)	Conductivity Value(S/m)
Doping (gms)	Si 249.375	4151.5	7000.0
Temperature (°C)	150	5700.0	2257.14
Melting Point (°C)	1414	8605.25	5857.61
Pressure (MPa)	5050	1090.0	3666.6666666666665



DURATION OF ANALYSIS : 1.456 seconds