

Joule Heating Testing Form

Experiment Objective	
Goal of this Experiment	
Special Requirements	
Sample Quantity	
Sample Condition	<input type="checkbox"/> Powder <input type="checkbox"/> Film <input type="checkbox"/> Bulk <input type="checkbox"/> Gel
Chemical Composition	
Electrically Conductive?	<input type="checkbox"/> No <input type="checkbox"/> Yes
Will it Emit Toxic Gases?	<input type="checkbox"/> No <input type="checkbox"/> Yes If yes, what are the possible gases?
Boiling Point of the Sample	
Melting Point of the Sample	
Experimental Conditions	<input type="checkbox"/> Flash Evaporation <input type="checkbox"/> Pulse Discharge <input type="checkbox"/> Staged Heating <input type="checkbox"/> Discharge Composite
Required Temperature (in Celsius)	
Test Atmosphere	<input type="checkbox"/> Air <input type="checkbox"/> Argon <input type="checkbox"/> Vacuum
Experimental Equipment	<input type="checkbox"/> Vacuum Chamber <input type="checkbox"/> Distillation Apparatus <input type="checkbox"/> Gas Flow Apparatus

*Powder samples: Each experiment typically involves a quantity ranging from 0.1g to 1.5g. Different experimental conditions often requires multiple attempts, if the sample is not extremely valuable, it is advisable to send a larger amount, preferably at least 5g.

*For bulk/film samples, the length should be 40mm or more.