Helwan University
Nanotechnology Center

Requisition Form for Vacuum Tube Furnace

Applicant Contact Details

Applicant Name:	**Date:**
Email:	**phone:**
Master student ☐ **PhD student** ☐ **PhD holder** ☐ **Other** ☐	**Institution/Organization:**

Sample Information

Sample ID: *(This item is filled by nano-center staff)*	**Material Type & Name:**

Sample State:
Solid ☐ Film ☐ Powder ☐ Liquid ☐ Other ☐ : _____

Hazards & Risks:
Explosive ☐ Flammable ☐ Acute toxicity ☐ Light sensitive ☐ Carcinogen ☐
Corrosive ☐ Oxidizing ☐ Skin sensitizer ☐ Eye irritation ☐ Respiratory sensitizer ☐
Dangerous to the environment ☐ Other ☐ :_____

Storage condition of sample:

Sample handling precautions:

Recommended disposal method for sample:

Any additional information or instructions regarding your sample:

Information required for the experiment

Holding Temperature (max 1500°C): °C	**Holding Time:** min
Heating Rate (max 10 °C/ min): °C/ min	**Cooling Rate:** °C/ min
Atmosphere: vacuum ☐ / inert gas ☐ :_____	**Notes:**

Note: *The holding time for a temperature below 1000°C cannot be more than* ***10 min****.*
In case of more than one holding temperature, use the attached diagram and fill in the table with the required recipe.

I agree that any information provided in this document is correct. I understand that I will be held responsible for any damages arising from incorrect information provided by me.

Applicant Signature: **Date:**

Sample is processed by: **Date:**

Obtained results will be emailed to the applicant within 7 to 10 working days from receiving samples at nano-center. Samples will be disposed of after 10 days of sending the results, if not retrieved by the applicant.

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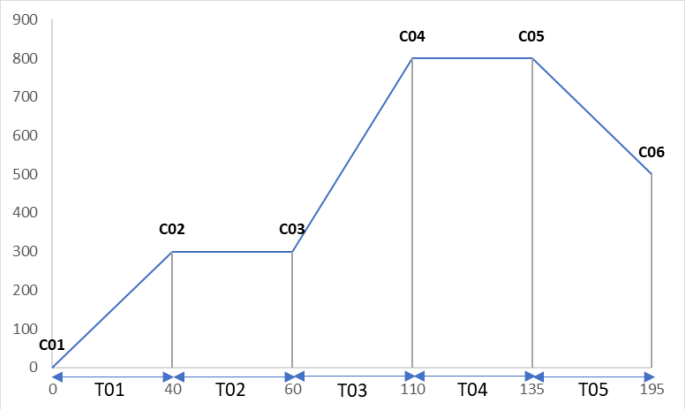
Heating profile

Important Notes:

- C is referring to the temperature and T to the time.
- You can add till 30 segments (Temperatures) in your recipe.
- T01 is the time taken (minutes) from C01 to C02 and so to the end. (C01 is room temperature)
- The holding time for a temperature below 1000°C cannot be more than 10 min.
- The max holding temperature is 1500°C.



Prompt	Input Data	Notes	Prompt	Input Data	Notes
C01	T_{Room} =	*(This item is filled by nano-center staff)*	C16		
T01			T16		
C02			C17		
T02			T17		
C03			C18		
T03			T18		
C04			C19		
T04			T19		
C05			C20		
T05			T20		
C06			C21		
T06			T21		
C07			C22		
T07			T22		
C08			C23		
T08			T23		
C09			C24		
T09			T24		
C10			C25		
T10			T25		
C11			C26		
T11			T26		
C12			C27		
T12			T27		
C13			C28		
T13			T28		
C14			C29		
T14			T29		
C15			C30		
T15			T30		