NATIONAL UNIVERSITY OF SINGAPORE

Doc No. Type: Experiment / Equipment Activity-Based Risk Assessment Form										
Name of Department		Physics		Location of Lab		S7-01-16				
Name of Laboratory		CIBA		Name of PI		Professor Mark Breese				
Name of Researcher/LO Chan Taw Kuei		iei	Name of Activity/Experiment		Carbolite Tube Furnace High-temperature Annealing					
1. Hazard Identification				2. Access the Risk				3. Risk Control		
No	Description/Details of Steps in Activity	Hazards	Possible Accident / III Health & Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Switch on the furnace	The Carbolite Furnace is a fully properly insulated. Engineering accident. Periodic maintenace cl	integrated product purcha of various mechanical par necks are performed for al user.	sed from vendor. All electrical systems are rts are well done, rigidly held to avoid any I components. No significant hazard/risk to			0			
2	Loading sample into furnace	High temperature of furnace, samples or steel wires.	Themal burns	Cotton gloves are to be used during loading in and removal of samples. Proper training provide for all users. Warning signs in place outside furnace room when furnace is in	1	1	1			
	Kentove sample nom rumace			operation.						
4	Switch off the furnace	Same as step 1.					0			

Conducted By Mark Breese, Chan Taw Kuei

Approved By

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Mallikarjuna Rao Motapothula, Liang Haidong

Approval date

Name

Signature

Next Revision date (Maximum 3 years)