

NATIONAL UNIVERSITY OF SINGAPORE

Activity-Based Risk Assessment Form			
Name of Department	Physics	Location of Lab	S7-01-07
Name of Laboratory	Van De Graaff Lab	Name of PI	Assoc Prof Thomas Osipowicz
Name of Researcher/LO	T. K. Chan, T.Osipowicz, Min-Qin Ren	Name of Activity/Experiment	Low-level Gamma Spectroscopy

No	Description/Details of Steps in Activity	Hazards	Possible Accident / Ill Health & Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Load sample into copper shielding chamber	The copper shielding chamber cover is opened by an integrated lever system. Loading and removing sample from the shielding chamber does not involve any physical strength from the user, hence there is minimal risk to the user. Gamma emission from samples is low-level, activity much lower than radiation exposure limit for user.					0			
2	Measurement of gamma spectrum						0			
3	Remove sample from chamber						0			

Conducted By T. K. Chan / T. Osipowicz/ Min-Qin Ren

Approved By

Name Assoc Prof Thomas Osipowicz

Signature _____

Approval date _____

Next Revision date _____
(Maximum 3 years)