NATIONAL UNIVERSITY OF SINGAPORE

Experiment-Based Risk Assessment Form									
Name of Department	Physics		Location of Lab		S7-01-01A			_	
Name of Laboratory	CIBA clean room		Name of PI		Asst Prof Van Kan, Jeroen Anton				
Name of Researcher/LO	Wang Yinghui & Liu Fan		Name of Activity/Experiment		Plating machine			-	
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)
Adding water to the solution	Chemical spill of water plus electrolyte	skin and eye moderate irritation	wear gloves, mask, goggles	1	1	1			
loading samples	inhalation of toxic chemials	suspect of cancer induction	wear N95 mask, the system has an active exhaust	2	1	2			
						0			
						0			
						0			
						0			
						0			
						0			
Conducted By Malar, Raman, Yao Yong, LiuFan, YingHui, GuoRui			Name Signature	- - - : 30/10/2014					
	Name of Laboratory Name of Researcher/LO Description/Details of Steps in Activity Adding water to the solution loading samples	Name of Laboratory Name of Researcher/LO Description/Details of Steps in Activity Adding water to the solution Chemical spill of water plus electrolyte loading samples inhalation of toxic chemials	Name of Department Name of Laboratory Name of Researcher/LO Description/Details of Steps in Activity Adding water to the solution Chemical spill of water plus electrolyte Chemical spill of otoxic chemials Suspect of cancer induction Chemical spill of water plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation Chemical spill of vater plus electrolyte Skin and eye moderate irritation	Name of Department Name of Laboratory Name of Researcher/LO Wang Yinghui & Liu Fan Name of Activity/Experiment Description/Details of Steps in Activity Hazards Adding water to the solution Chemical spill of water plus electrolyte Skin and eye moderate irritation Wear gloves, mask, goggles Inhalation of toxic chemials Suspect of cancer induction Conducted By Malar, Raman, Yao Yong, LiuFan, YingHui, GuoRui Approved By Name Signature	Name of Department Name of Laboratory CIBA clean room Name of PI Name of Researcher/LO Wang Yinghui & Liu Fan Name of Activity/Experiment Description/Details of Steps in Activity Hazards Possible Accident / III Health & Existing Risk Control (Mitigation) Persons-at-Risk Adding water to the solution Chemical spill of water plus electrolyte skin and eye moderate irritation wear gloves, mask, goggles 1 loading samples inhalation of toxic chemials suspect of cancer induction wear N95 mask, the system has an active exhaust 2	Name of Department Name of Laboratory Name of Researcher/LO Wang Yinghui & Liu Fan Name of Activity/Experiment Description/Details of Steps in Activity Adding water to the solution Chemical spill of water plus electrolyte Skin and eye moderate initiation wear gloves, mask, goggles Inhalation of toxic chemials Suspect of cancer induction Wear W95 mask, the system has an active exhaust Inhalation of toxic chemials Approved By Name Assertion Conducted By Malar, Raman, Yao Yong, LiuFan, YingHui, GuoRui Assertion Assertion Assertion of Lab Name of PI Assertion Name of Activity/Experiment Existing Risk Control (Mitigation) Severity Likelihood (Probability) Adding water to the solution Wear W95 mask, the system has an active exhaust Inhalation of toxic chemials Approved By Name Assertion Approved By Name Assertion Signature	Name of Department Name of Laboratory Name of Laboratory Name of Researcher/LO Wang Yinghui & Liu Fan Name of Activity/Experiment Description/Details of Steps in Activity Hazards Possible Accident / III Health & Persons-at-Risk Persons-at-Risk Radding water to the solution Chemical spill of water plus electrolyte Sin and eye moderale irritation Wear gloves, mask, googles Inhalation of took chemials Suspect of cancer induction Wear 90 mask, the system has an active exhaust O Conducted By Malar, Raman, Yao Yong, LiuFan, Yinghlui, GuoRui Asst Prof Van K Signature Name Asst Prof Van K Signature Asst Prof Van K Signature	Name of Laboratory Name of Researcher/LO Wang Yinghui & Liu Fan Name of Researcher/LO Wang Yinghui & Liu Fan Name of Activity/Experiment Pesting resk Control (Mitgalion) Resk Level (Probability) Risk Level (Probability	Name of Department Name of Laboratory Name of Laboratory Name of Researcher/LO **Rang Yinghul & Liu Fan** **Name of Activity/Experiment** **Person Responsible Person Responsible Person Responsible Person Responsible Residence of Laboratory Roding water to the solution **Person Responsible Person Responsible Residence of Laboratory Residence of Researcher/LO **Person Responsible Person Responsible Person Responsible Person Responsible Person Responsible Residence of Laboratory

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