

Appendix 1

List of Instruments:

Serial No	Name of Instruments	Specification
1.	UV/VIS optical absorption spectrophotometer	Perkin Elmer Lamda 35 1.24
2.	X-ray diffractometer	Bruker AXS, X-ray source: Cu K_α
3.	High resolution transmission electron microscopy (HRTEM)	JEM 2100 (Jeol)