

各种CNT的观察与测定 I

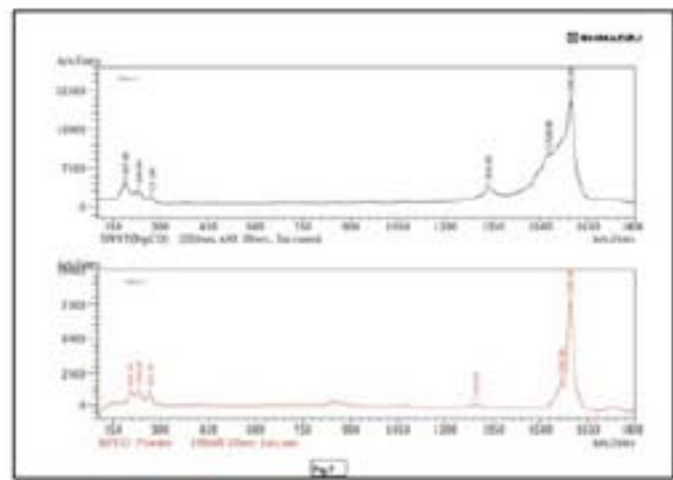
Various Types of CNT Observations and measurements:#1

样品：HiPco 单层碳纳米管（纯化级）

Sample: HiPco single-walled carbon nanotubes(Purified grade)

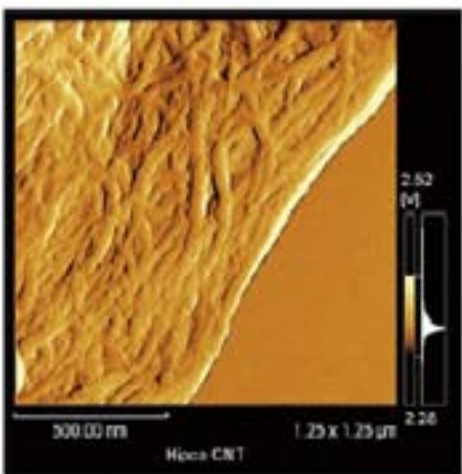
商品化的CNT——HiPco的观察、测定实例。
This is an example of observation and measurement of HiPco,a commercially available CNT.

拉曼分光（HoloProbe 监控系统）/Raman Scattering



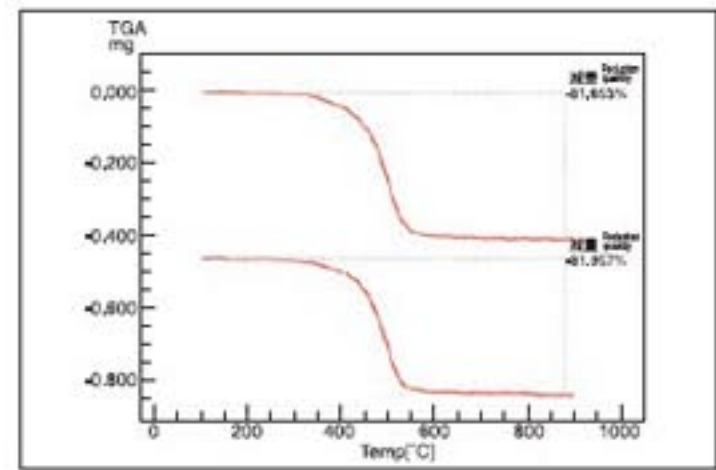
532nm, 785nm激发的拉曼光谱
Raman spectrum at 532nm, 785nm excitation

SPM (SPM-9600)



通过溶剂分散在云母上并干燥后的SWNT的SPM观察例
SWNT SPM observation after drying on mica following solvent dispersion (SPM-9600)

热重分析（TGA-50）/Thermogravimetry



微量HiPco (约0.5mg) 的TG测定
TG Results on Approximately 0.5mg HiPCO CNT(TGA-50)
(上段) 样品量: 0.496 (mg)
(下段) 样品量: 0.460 (mg)
(通用) 样品名: CNT
容器: 氧化铝
环境气体: 空气
气体流量: 100 (ml/min)