

# 各種CNTの観察と測定Ⅲ

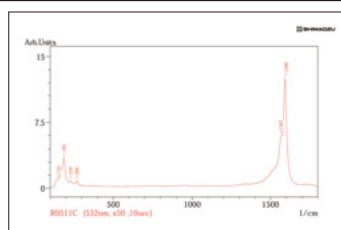
Various Types of CNT Observations and Measurements: #3

## 試料：HiPco® 単層カーボンナノチューブ (As-Producedグレード)

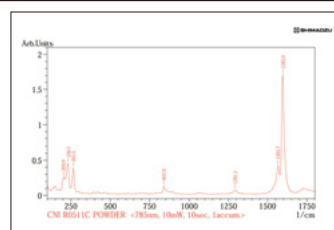
Sample: HiPco® single-walled carbon nanotubes (As-Produced grade)

カーボンナノテクノロジーズ社製 As-produced SWNTの観察、測定例です。  
This is an example of observation and measurement of DWNT, produced by  
Carbon Nanotechnologies Inc.

### ラマン分光 (HoloProbe モニタリングシステム) / Raman Scattering

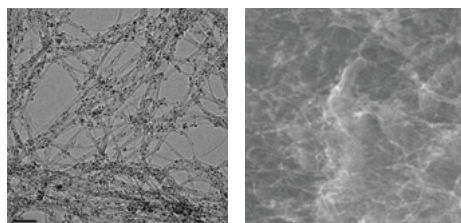


532nm励起のラマンスペクトル  
Raman spectrum at 532 nm excitation



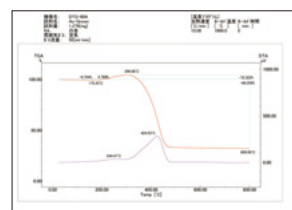
785nm励起のラマンスペクトル  
Raman spectrum at 785 nm excitation

### TEM・SEM



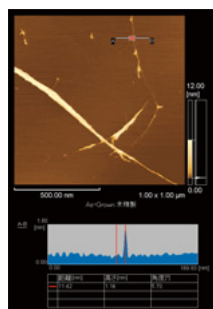
TEM・SEMによるSWNTの観察  
SWNT observation by TEM and SEM

### 熱重量 (DTG-60A) / Thermogravimetry



DTGによる熱重量測定  
Thermogravimetric measurement by DTG

### SPM (SPM-9600)



SPMによるSWNTの観察と直径の見積もり  
SWNT observation and estimate of diameter by SPM