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Technical data

Categories No: TNCC

Name: CNTs Composite Conductive Agent in Lithium Ion Battery

SSA ： 80m^2/g

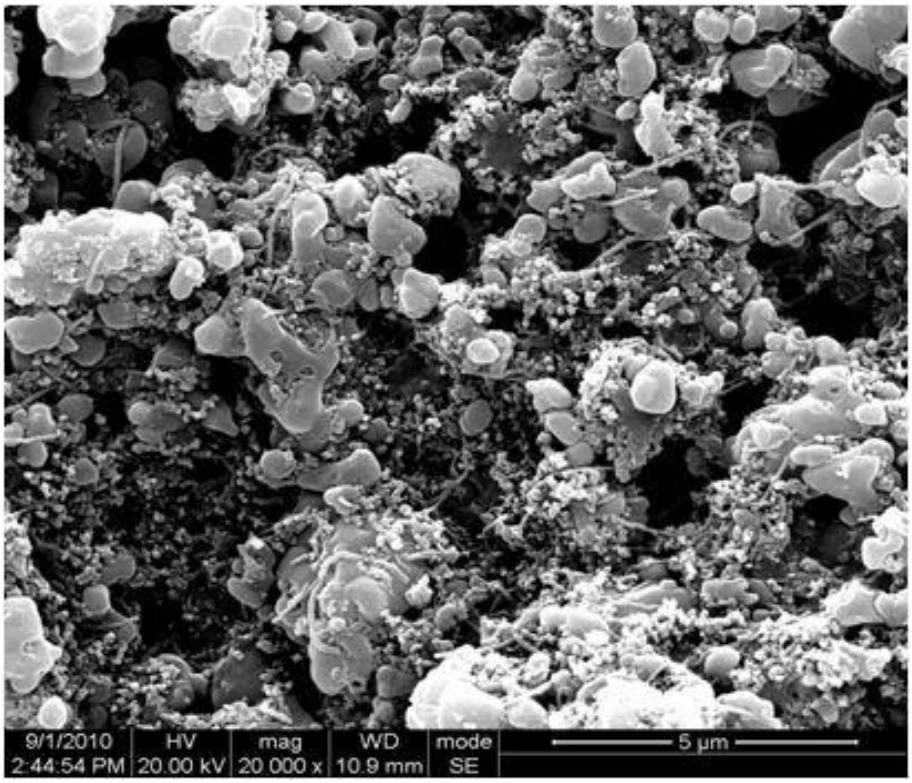
OD of CNTs：50-80nm [OD=Outer Diameter]

Length of CNTs：10-15um

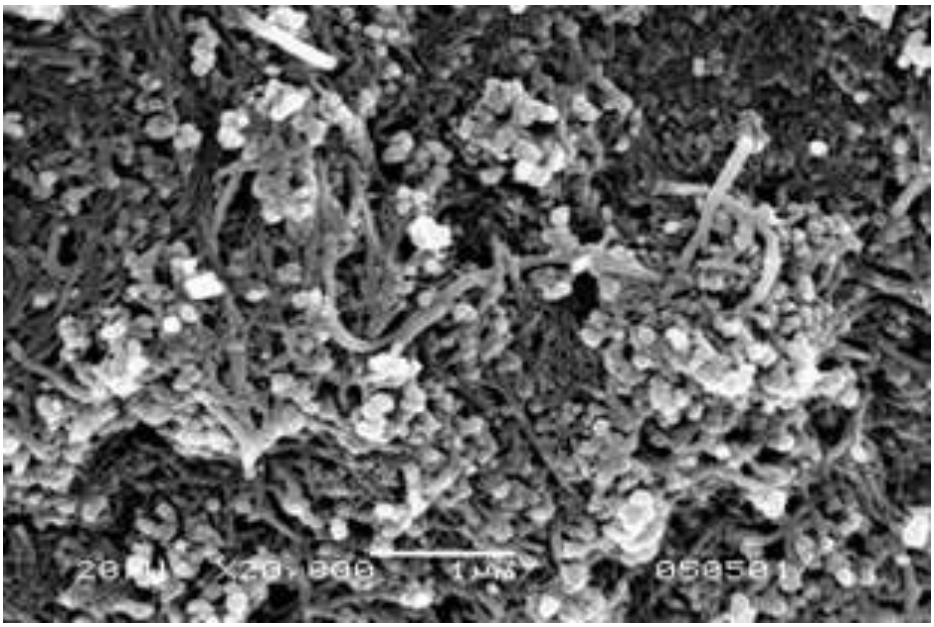
PH：<9

State：Black Powder

Testing pictures



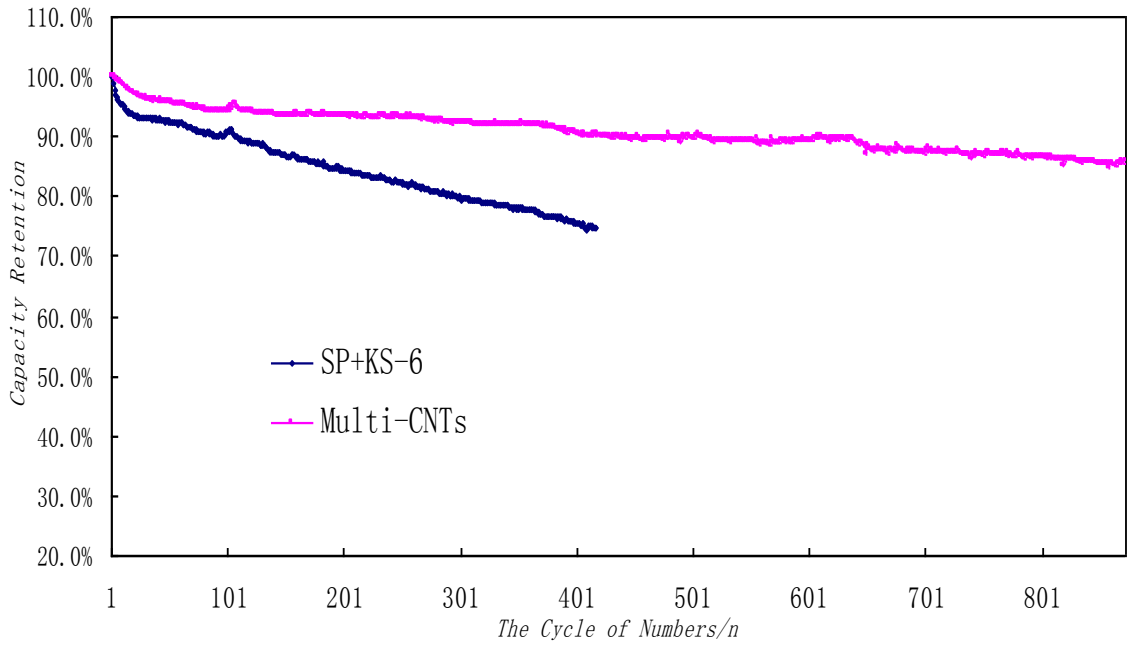
SEM of TNCC



SEM of TNCC

		$LiCoO_2$		$LiFePO_4$	
压实密度（g/cm^3）		SP+KS-6	CNTs 复合	SP+KS-6	CNTs 复合
		3.6	3.8	2.1	2.4
循环寿命(1C/1C)	500 次	75.3%	91.2%	89．2%	95．8%
	800 次	—	83.6%	83．1%	92．4%

采用不同导电剂和不同正极材料的锂离子电池循环寿命比较表



采用不同导电剂的 700mAh 锂离子电池循环性能

Application instruction

Potential Application of Carbon Nanotubes
Additives in ploymers
Catalysts
Electron field emitters for cathode ray lighting elements
Flat panel display
Gas-discharge tubes in telecom net works
Electromagnetic-wave absorption and shielding
Energy conversion
Lithium-battery anodes
Hydrogen storage
Nanotube composites (by filling or coating);
Nanoprobes for STM, AFM, and EFM tips
Nanolithography
Nanoelectrodes
Drug delivery
Sensors
Reinforcements in composities
Supercapacitor