



優必克科技股份有限公司
UBIQ Technology Co., Ltd.

330 桃園市桃園區大業路一段 18 號 6 樓之 1
6F.-1, No.18, Sec. 1, Daye Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
電話 Tel : 03-331-2677 e-mail: sales@ubiq.com.tw
傳真 Fax : 03-335-7412 Website: www.ubiq.com.tw

Cathode Material (NCM811)

Product name : Cathode Material (NCM811)

Model : LNCM-801T

Chemical formula : $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$

Analysis:



Project		Standard value	measured value
Chemical composition	Li (%)	7~8	7.78
	Ni+Mn+Co(%)	≥ 58	48.89+5.88+5.49
Impurities	Fe(ppm)	<100	8
	Na(ppm)	<300	143
	Cu(ppm)	<50	10
Particle size distribution	D10 (μm)	>5	6.89
	D50 (μm)	9~12	11.02
	D90 (μm)	≤20	17.63
PH		11.5~12.5	11.85
Moisture (%)		<0.1	0.035
Specific surface area (m ² /g)		0.3~0.8	0.50
Tap density (g/cm ³)		≥2.3	2.31
First discharge capacity (mAh/g)		≥185	190.05
First charge and discharge efficiency (%)		≥85	87.25