



LICO Technology Corporation

L210 LiCoO_2 Material Properties

Lithium Cobalt Oxide LiCoO_2

- 1. Variable grades of LiCoO_2 are available for customer need (L056, L106 and L210).**
- 2. Made from battery grade Co_3O_4 and lithium salts.**
- 3. Narrow particle size distribution.**
- 4. High C rate and high average discharge voltage, especially for small size and polymer batteries.**

Lithium Cobalt Oxide LiCoO_2

LiCoO_2 :

Phone Battery Application: 5um and 8um

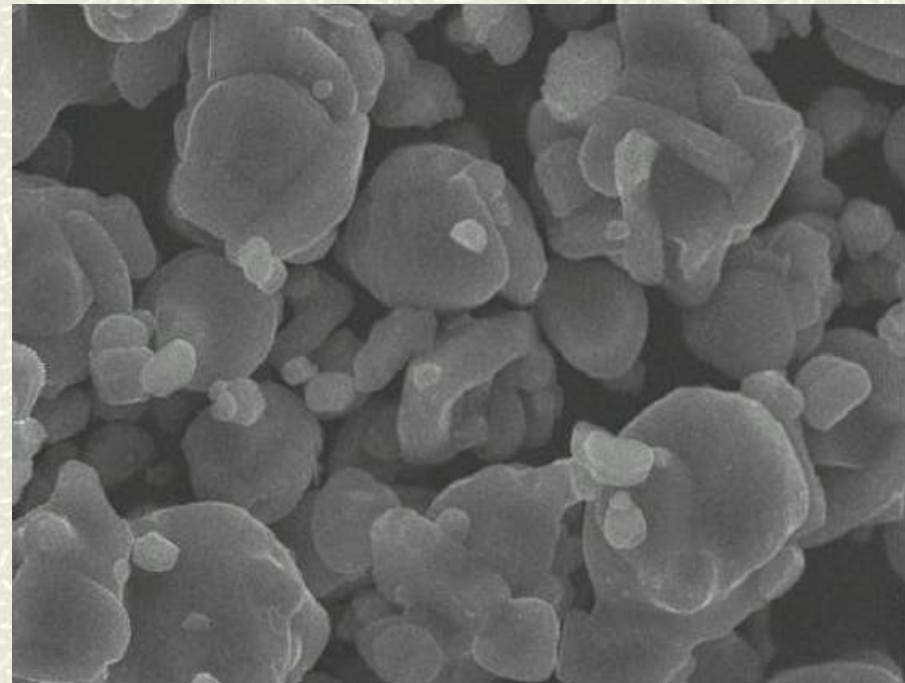
High Capacity NB Battery: 10um

LiCoO₂ (L210): 10 um

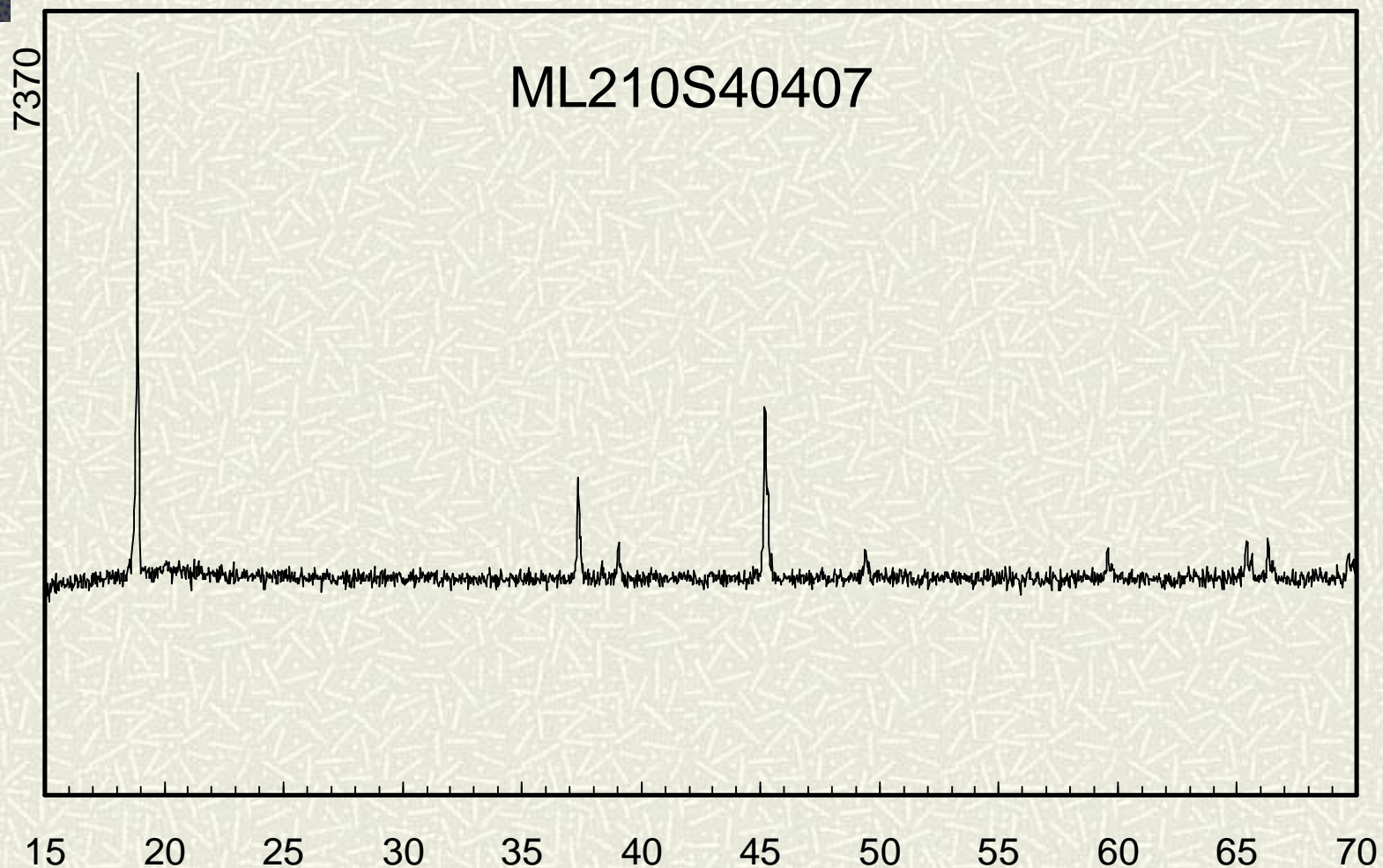
Material Properties:

Li₂CO₃	Battery Grade
Co₃O₄	Battery Grade
Li/Co (Synthesis)	1.01/1.00
Particle Size (D₅₀)	9-11 mm
Tap Density	2.70-2.95 g/ml
Moisture	<0.1%

SEM Picture

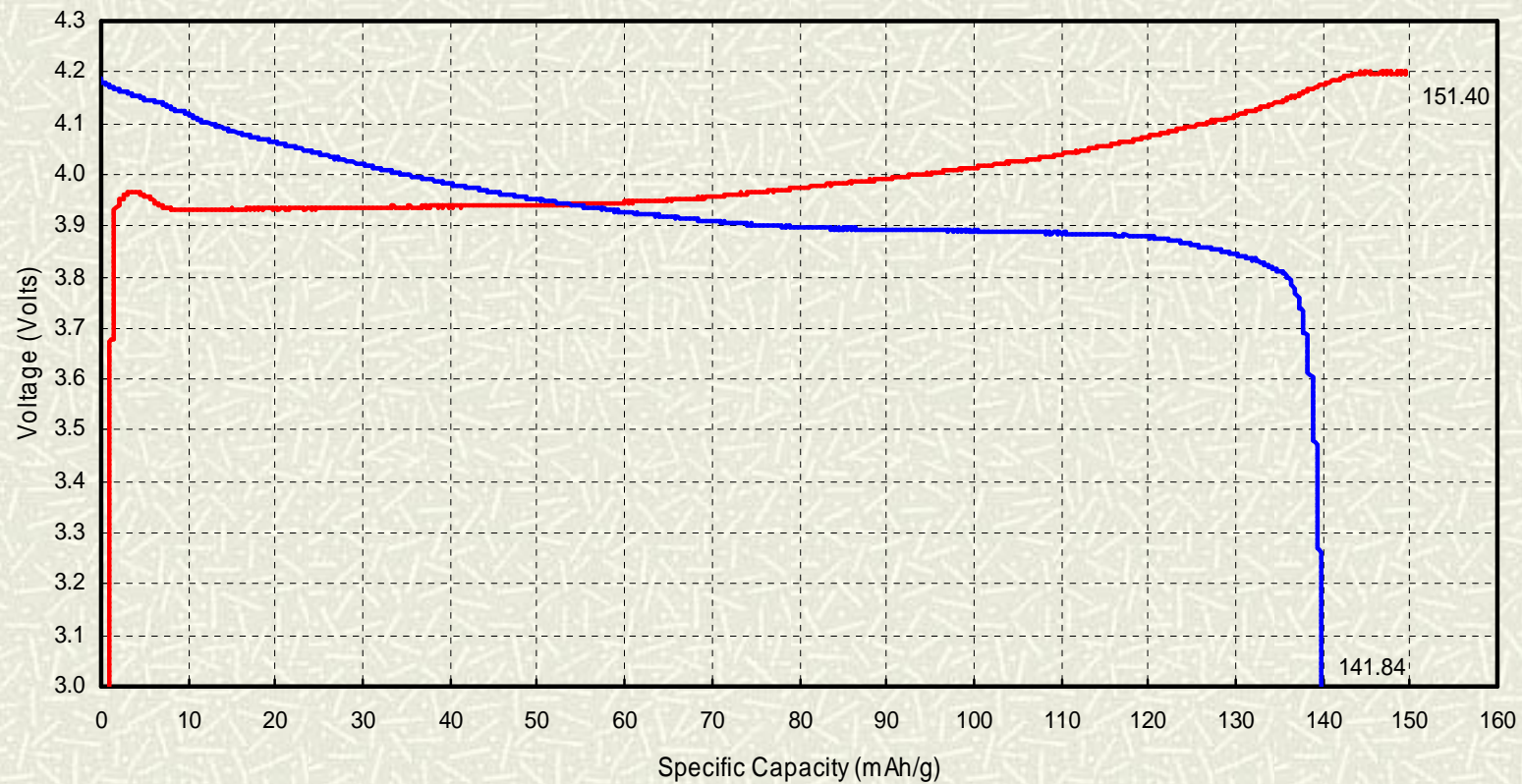


XRD Pattern of LiCoO_2 (L210)



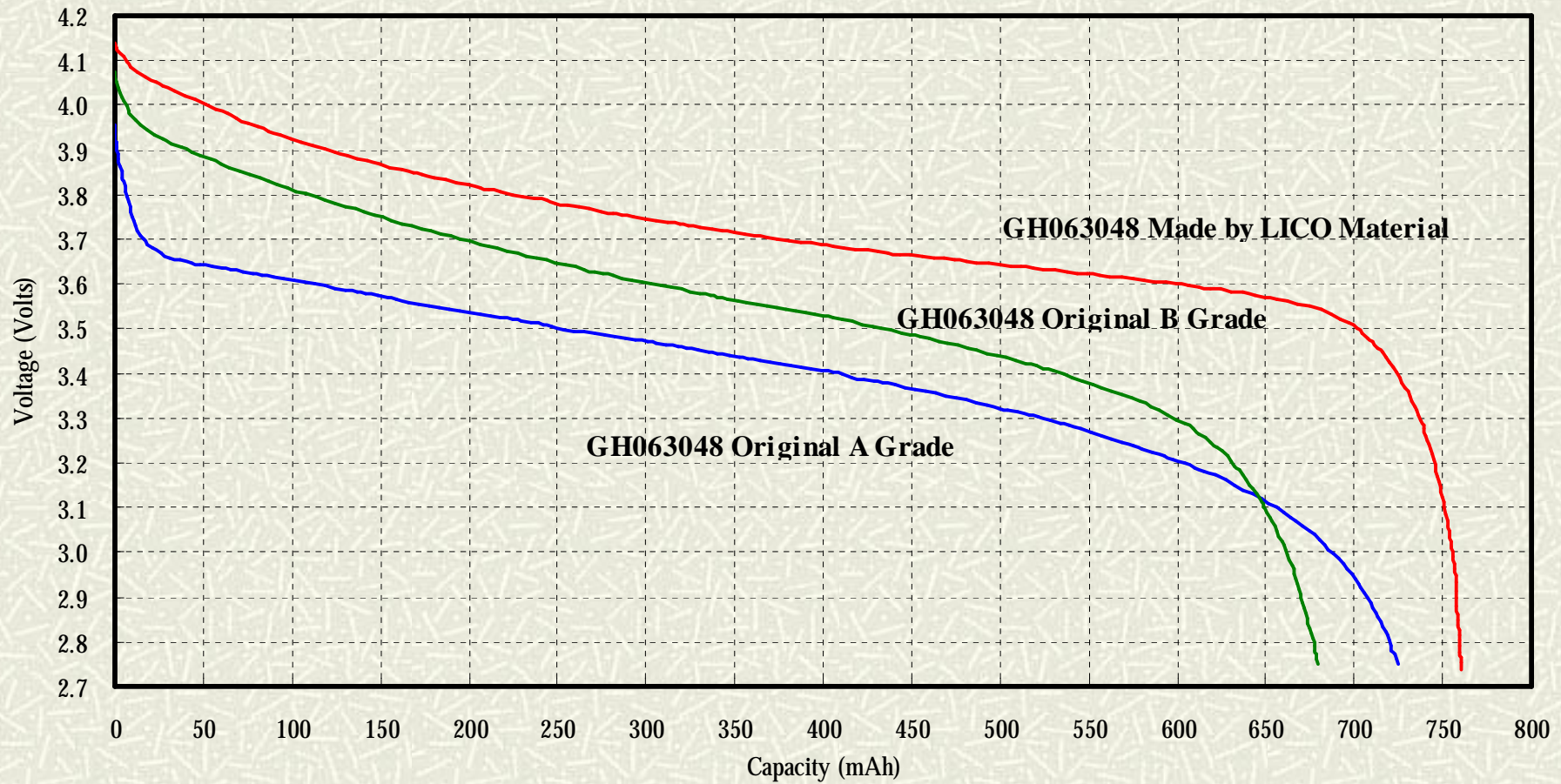
Coin Cell Test for L210 (11 um) LiCoO_2

1. Charge / Discharge is at 0.2 C Rate.
2. Charge / Discharge is from 3.00V – 4.20 V.



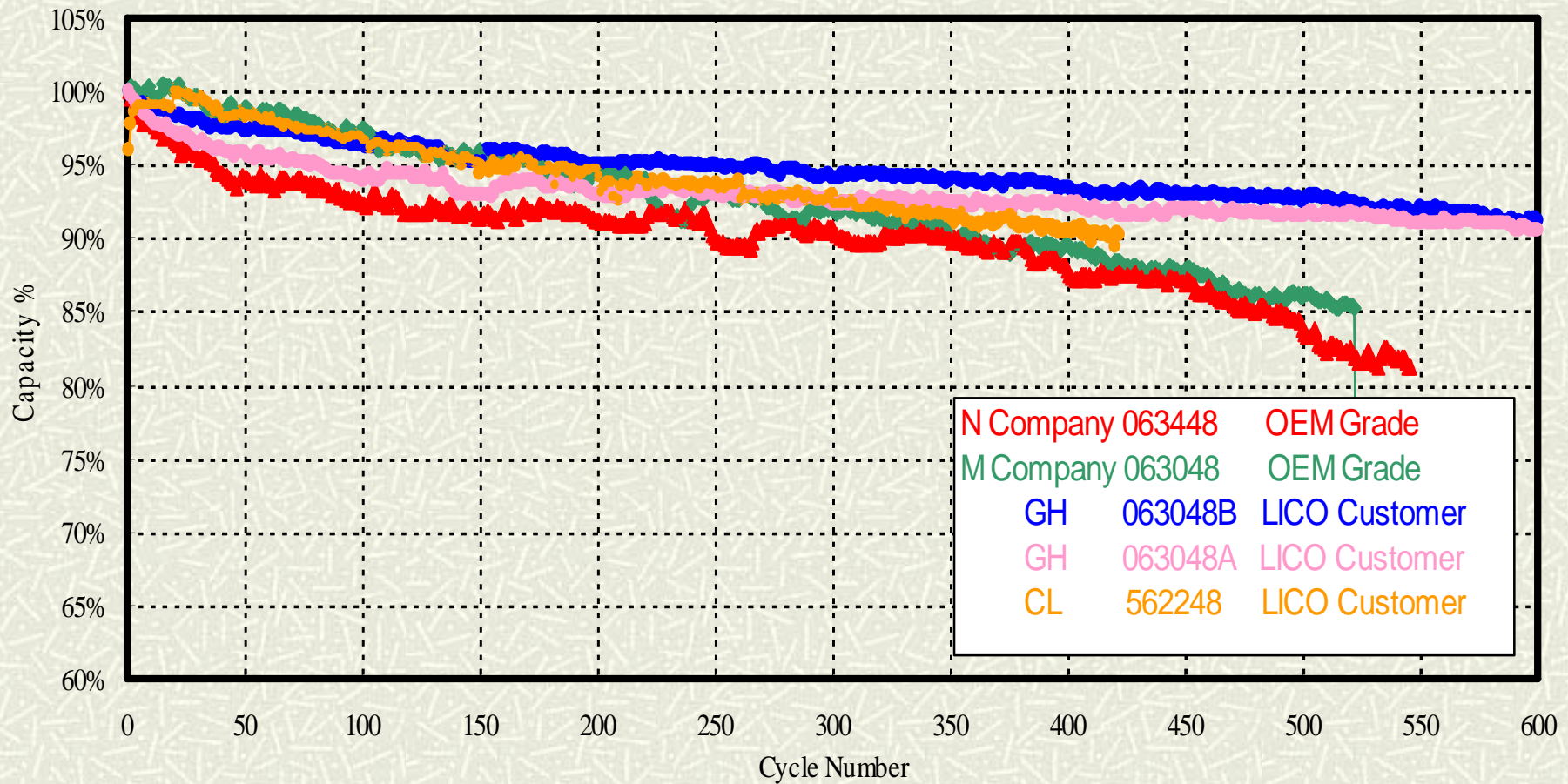
High Capacity and High Voltage Output

-GH(LICO Customer) 063048 Made by Different LiCoO₂



Cycle Life Superior to OEM Batteries

-- 1C Rate Capacity Fading for Different Phone Batteries



Output Stability Superior to OEM Batteries

-- 1C Rate Working Potential Fading for Different Phone Batteries

