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Cathode Material

(NCM622)

Product name : Cathode Material (NCM622)

Model : LNCM-620T

Chemical formula : $\text{LiNi}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}\text{O}_2$



Specification:

Project		Standard value	measured value
Chemical composition	Li (%)	7.3±0.3	7.38
	Ni+Mn+Co(%)	≥ 58	35.44+12.15+11.46
Impurities	Fe(ppm)	<100	18
	Na(ppm)	<300	199
	Cu(ppm)	<50	10
Particle size distribution	D10 (μm)	≥5.0	6.15
	D50 (μm)	10.0~13.0	12.20
	D90 (μm)	≤25.0	20.39
PH		≤12.00	11.69
Moisture (%)		<0.1	0.013
Specific surface area (m ² /g)		0.2~0.5	0.31
Tap density (g/cm ³)		≥2.3	2.40
First discharge capacity (mAh/g)		≥170	173.90
First charge and discharge efficiency (%)		≥87.0	88.11