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# Cathode Material



**Product name : Cathode Material (LiNi<sub>0.5</sub>Mn<sub>1.5</sub>O<sub>4</sub>)**

**Model : LNM-515X**

**Chemical formula : LiNi<sub>0.5</sub>Mn<sub>1.5</sub>O<sub>4</sub>**

**Analysis:**



No.	Project		Unit	Standard value	measured value
1	Tap density		g/cm <sup>3</sup>	≥1.0	1.3
2	Compacted density		g/cm <sup>3</sup>	≥2.8	3.3
3	pH			≤11.5	11.37
4	Specific surface area		m <sup>2</sup> /g	0.5-4	0.7
5	Subtle distribution	D <sub>10</sub>	μm	≥0.8	2.6
		D <sub>50</sub>	μm	1.5-10	5.5
		D <sub>90</sub>	μm	≤15	10.9
6	Electrical performance	0.2C/0.2C Reversible capacity	mAh/g	≥120	130
		2C/2C Reversible capacity	mAh/g	≥110	121
		First charge and discharge efficiency		≥90%	92