

## 检 验 报 告

### CERTIFICATE OF QUALITY

品名 Product Name	镍钴锰酸锂 (NCM651520)	型号 Product Type	Z25D	批号 Lot Number	2019061811
序号 No.	项目 Item	单位 Unit	规格 SPEC	检测结果 Results	检测方法 Test Method
1	Li	wt%	7.40±0.20	7.37	ICP
2	Ni	wt%	38.00±1.00	37.09	
3	Co	wt%	8.90±1.00	8.61	
4	Mn	wt%	10.90±1.00	10.69	
5	D10	μm	≥1.50	2.85	激光粒度仪 Laser P. S. Analyzer
6	D50	μm	4.50±1.50	4.88	
7	D90	μm	≤15.00	8.71	
8	H <sub>2</sub> O	ppm	≤400	120	水分仪 Moisture meter
9	振实密度 Tap Density	g/cm <sup>3</sup>	2.00 ±0.60	2.56	振实密度仪 Tap Density Meter
10	比表面积 SSA	m <sup>2</sup> /g	0.65±0.20	0.55	比表面积仪 Specific Surface Area Meter
11	pH	/	11.40±0.20	11.40	pH计 pH Meter
12	LiOH	wt%	≤0.150	0.116	滴定法 Titration Method
13	Li <sub>2</sub> CO <sub>3</sub>	wt%	≤0.100	0.044	
14	Na	wt%	≤0.0300	0.0079	ICP
15	Mg	wt%	≤0.0100	0.0025	
16	Ca	wt%	≤0.0100	0.0026	
17	Fe	wt%	≤0.0060	0.0057	
18	Cr	wt%	≤0.0050	ND	
19	Cu	wt%	≤0.0020	0.0001	
20	Zn	wt%	≤0.0020	ND	
21	S	wt%	≤0.15	0.14	
22	磁性异物 Magnetic Impurities	ppb	≤50	45	
23	0.1C Dcg.	mAh/g	≥180.0	182.0	
24	1st Eff.	%	≥86.0	89.6	
25	Note				

判定 Judgment:  
 合格 Qualified  不合格 Unqualified

 检验:  
 Composed by:

 审核:  
 Checked by:

 批准:  
 Approved by: