

Cycles	Process	Samples (Averages Capacities / mAhg <sup>-1</sup> )						
		No LCMF LiCl	48 h/800 °C in LCMF	12 h/800 °C in LCMF	72 h/800 °C in LCMF	48 h/600 °C in LCMF	48 h/1000 °C in LCMF	6 h/1000 °C in LCMF
1	Charge	111.0 ± 0.4	295 ± 3	248 ± 5	288 ± 2	121 ± 2	169 ± 2	294 ± 1
	Discharge	96.0 ± 0.4	222 ± 3	173 ± 3	211 ± 2	107 ± 1	108 ± 1	218 ± 1
2	Charge	103.0 ± 0.7	228 ± 3	191 ± 3	219 ± 2	121 ± 1	129 ± 2	224 ± 1
	Discharge	99.0 ± 0.7	226 ± 3	183 ± 3	216 ± 2	115 ± 1	119 ± 2	218 ± 2
3	Charge	104.0 ± 0.9	231 ± 3	190 ± 3	222 ± 2	126 ± 1	131 ± 2	221 ± 2
	Discharge	101.0 ± 0.8	230 ± 2	188 ± 3	220 ± 2	121 ± 1	124 ± 2	221 ± 1
4	Charge	104.0 ± 0.8	231 ± 2	194 ± 3	222 ± 2	132 ± 2	132 ± 1	223 ± 1
	Discharge	102.0 ± 0.9	226 ± 2	194 ± 3	216 ± 3	128 ± 2	128 ± 2	217 ± 1
5	Charge	106.0 ± 0.8	228 ± 2	196 ± 2	218 ± 3	139 ± 3	135 ± 1	218 ± 1
	Discharge	104.0 ± 0.9	229 ± 2	190 ± 2	221 ± 3	134 ± 4	132 ± 1	217 ± 1

**Table 1.** Charge and discharge cycles for C/5 information for different conditions. All the conditions except 48 h/1000 °C were tested with 4 coin cells. 48 h/1000 °C was tested with 3 coin cells. All coin cells were AlPO<sub>4</sub> coated.

Table 1 presents all the conditions tested for the LCMF treatment. Among them 48 h/800 °C and 6 h/1000 °C exhibits the best specific capacity. 72 h/800 °C have less specific capacity than 48 h/800 °C. All the others have specific capacities under 200 mAhg<sup>-1</sup>.