

リチウムイオン正極用 LiMn_2O_4

モデル番号 : LM0-19S

化学式 : LiMn_2O_4

商品詳細:



*ご興味を持たれた商品のお問い合わせ・

お見積もりはUBIQへお願い致します。

Project		Unit	Standard value	Typical value	Test equipment and methods
chemical components	Li	%	3.80~4.60	4.13	AAS/ICP
	Mn	%	58.00~60.00	58.40	Ferrous Sulfate Titration
Impurities	Fe	ppm	≤100	30	AAS/ICP
	Ni	ppm	≤100	40	AAS/ICP
	Na	ppm	≤3500	2200	AAS/ICP
	Cu	ppm	≤20	7	AAS/ICP
Particle size distribution	D ₁₀	μm	≥5.00	7.0	MasterSize2000, Particle Size analyser; Hydro2000MU; Sample-size: 2Kg, Dispersant: water, Refractive index : 1.330
	D ₅₀	μm	17.00~22.00	19.0	
	D ₉₀	μm	≤45.00	38.0	
	D _{max}	μm	≤75.00	61.0	
Crystal structure		/	Measured	/	XRD
pH		/	7.0~10.0	7.55	pH
Moisture		ppm	≤700	400	(150°C Vacuum drying 2h)
Specific surface area		m ² /g	0.20~0.70	0.45	3H-2000 type Adsorption: high purity N ₂ :He=4:1, BET tube: 9mm U-shaped tube
Tap density		g/cm ³	≥1.7	1.8	Tap density meter, Vibration frequency : 100~300 times/min, amplitude : 3mm, Vibration times: 4000, Graduated cylinder : 100ml, Sample size : 100g
First discharge capacity		mAh/g	≥117.0	118.0	CR2032 battery 0.1C/0.1C, 4.3~3.0V
First efficiency		%	≥93.0	95.0	