



## XI'AN JULONG BIO-TECH CO.,LTD

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### Certificate of Analysis- -MK-677 Powder

Product Name	MK-677 Powder	Batch No	JL-20190425
Quantity	500G	Analysis Date	Apr .26th,2019
Mfg. Date	Apr .25th,2019	Exp. Date	Apr,24th ,2021
Package	1KG / BAG	Standard	USP
Test Items	Specifications	Results	
Appearance	White fine powder	Complies	
Assay(by HPLC)	97 ~ 103%	99.08%	
Identification	TLC	Complies	
	UV spectrum		
	IR spectrum		
Melting point	32 ~ 37° C	33~36°C	
Specific optical rotation	+77° ~+82°	+79.3°	
Loss on drying	≤0.5%	0.15%	
Free heptanoic acid	≤0.2 %	0.10%	
Related substances	≤2%	Pass	
Residual solvents(GC)	Methanol ≤100ppm	Pass	
Conclusion	Meet USP standards		

QC MANAGER: 董卓 INSPECTOR: 张赞 ANALYST: 王胜利

