

Product Name	Licorice P.E.	Manufacture Date	Aug. 15, 2022
Batch No.	LI220815	Certificate Date	Aug. 17, 2022
Batch Quantity	1000kgs	Expiration Date	Aug. 14, 2024
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
Product Information			
Genus and Species	<i>Glycyrrhiza uralensis</i>	Conform	/
Part of the Plant	Root	Conform	/
Country of Origin	China	Conform	/
Marker Compounds			
Assay(Glycyrrhizic acid)	≥22.00%	26.86%	Gravimetry Method
Organoleptic Data			
Appearance	Powder	Conform	GJ-QCS-1008
Color	Yellow brown powder	Conform	GB/T 5492-2008
Odor	Characteristic	Conform	GB/T 5492-2008
Taste	Characteristic	Conform	GB/T 5492-2008
Process Data			
Method of Processing	Extraction	Conform	/
Solvent(s) Used	Water	Conform	/
Drying Method	Spray drying	Conform	/
Excipient	None	Conform	/
Ratio of Extraction	5:1	Conform	/
Physical			

Characteristics			
Solubility	Soluble in Ethanol and Diethyl Phthalate and insoluble in Benzene	Conform	Visual
Particle Size (80 mesh)	>99%pass 80 mesh	Conform	GB/T 5507-2008
Loss on drying	≤8.00%	7.70%	GB/T 14769-1993
Ash Content	≤12.00%	7.37%	AOAC 942.05, 18th
Water Insoluble	≤5.00%	0.79%	GJ-QCS-1007
Solvent Residue	None	Conform	GJ-QCS-1007
Heavy Metals			
Total Heavy Metals	<10 ppm	Conform	USP <231>, method II
As	<2.0 ppm	Conform	AOAC 986.15, 18th
Pb	<2.0 ppm	Conform	AOAC 986.15, 18th
Cd	<0.5 ppm	Conform	AOAC 971.21, 18th
Hg	<0.5 ppm	Conform	AOAC 971.21, 18th
Pesticide Residue			
666	<0.2ppm	Conform	GB/T5009.19-1996
DDT	<0.2ppm	Conform	GB/T5009.19-1996
Microbiology			
Total Plate Count	<1,000cfu/g	87cfu/g	AOAC 990.12, 18th
Total Yeast & Mold	<100cfu/g	23cfu/g	FDA (BAM) Chapter 18, 8th Ed.
E. Coli	Negative	Negative	AOAC 997.11, 18th
Salmonella	Negative	Negative	FDA (BAM) Chapter 5, 8th Ed.