



Xi'an Green Spring Technology Co.,Ltd

Certificate Of Analysis

Product Name:	Cistanche Tubulosa Extract	Batch Number:	2024091801GS
Botanical Source:	Cistanche tubulosa (Schenk)	Manufacture Date:	Sep.18,2024
Plant Part Used:	Fleshy Stem	Analysis Date:	Sep.21,2024
Quantity:	450Kgs	Expire Date:	Aug.17,2026
ITEM	STANDARD	TEST RESULT	TEST METHORD
Verbascoside	≥10.0%	10.40%	HPLC
Echinacoside	≥20.0%	25.20%	HPLC
Physical & Chemical			
Appearance	Brown Yellowish Powder	Complies	Visual
Odor	Characteristic	Characteristic	Organoleptic
Particle Size	98% through 80mesh	Complies	USP<786>
Extraction Solvent	Ethanol & Water	Complies	
Loss on drying	≤5.0%	3.18%	USP<731>
Ash	≤8.0%	3.45%	USP<281>
Residual Solvent(Ethanol)	Meet USP standard	Complies	USP<467>
Heavy Metal			
Total Heavy Metal	≤10ppm	Complies	ICP-MS
Pb	≤2.0ppm	<2.0ppm	ICP-MS
As	≤2.0ppm	<2.0ppm	ICP-MS
Cd	≤1.0ppm	<1.0ppm	ICP-MS
Hg	≤0.5ppm	<0.5ppm	ICP-MS
Microbiological Test			
Total Plate Count	≤3,000cfu/g	<1,000cfu/g	AOAC
Mold and Yeast	<100cfu/g	Complies	AOAC
E.Coli	Negative	Negative	AOAC
Salmonella	Negative	Negative	AOAC
Staphylococcus aureus	Negative	Negative	AOAC
Conclusion:Conforms with specification, Non-GMO, Allergen Free, BSE/TSE Free.			
Storage:Stored in cool and dry places. Keep away from strong light and heat.			
Packing:By 25kgs/Drum,inner by plastic bag			
Shelf Life:24 months under the above condition, and in it's original package.			

Quality Assurance: Liang Yan

