



Xi'an Green Spring Technology Co.,Ltd

### Certificate of Analysis

Product Name:	Turmeric Root Extract	Batch Number:	2024071101GS
Botanical Source:	Curcuma longa L	Manufacture Date:	July,11,2024
Plant Part Used:	Rhizome	Analysis Date:	July, 13,2024
Quantity:	580kgs	Expire Date:	July, 10,2026
ITEM	STANDARD	TEST RESULTS	TEST METHOD
Curcuminoids	≥95.0%	96.20%	HPLC
Curcumin	--	79.30%	HPLC
Desmethoxycurcumin	-	10.7%	HPLC
Bisdeshmethoxycurcumin	-	6.20%	HPLC
Physical& Chemical			
Appearance	Yellow to orange particle Powder	Complies	Visual
Identification	HPLC fingerprint	Complies	HPLC
Particle Size	95% pass 80mesh	Complies	USP<786>
Loss on Drying	≤5.0%	0.47%	USP<731>
Ash	≤5.0%	0.34%	USP<281>
Bulk density	40-60g/100ml	45g/100ml	USP<616>
Tapped density	60-80g/100ml	63g/100ml	USP<616>
Solvent residue(ethanol)	Meet USP standard	Complies	USP<467>
Pesticide residue	Meet USP standard	Complies	USP<561>
Heavy Metals			
Total Heavy Metals	≤10.0ppm	Complies	ICP-MS
As	≤2.0ppm	<2.0ppm	ICP-MS
Pb	≤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	≤10,00cfu/g	470cfu/g	AOAC
Yeast and Mold	≤1,00cfu/g	13cfu/g	AOAC
E.Coll	Negative	Negative	AOAC
Salmonella	Negative	Negative	AOAC
Staphylococcus aureus	Negative	Negative	AOAC
Conclusion:Conform with specification,Non-GMO,Allergen Free,BSE/TSE Free.			
Storage:Store 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

