



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

Product name	Alfalfa Extract		
Botanical Name	Medicago sativa L.	Part used	Aerial Parts
Batch No.	2024032101GS	Manufacture Date	Mar.21,2024
Quantity	215kgs	Analysis Date	Mar.25,2024
Item	Specification	Test Result	Test Method
Assay (Total saponins)	40%	40.12%	UV
Physical & Chemical Control			
Appearance	Brown yellow powder	Complies	Visual
Sieve Analysis	95% pass 80 mesh	98%	USP<786>
Odor&Taste	Characteristic	Complies	Organoleptic
Loss on Drying	5.0%Max	3.89%	USP<731>
Ash	5.0% Max	3.82%	USP<281>
Heavy Metals			
Heavy Metal	10ppm Max	Complies	ICP-MS
As	Max 0.5mg/kg	0.33	ICP-MS
Pb	Max 1.0mg/kg	0.52	ICP-MS
Hg	Max 0.2mg/kg	0.01	ICP-MS
Cr	Max 0.2mg/kg	0.12	ICP-MS
Microbiological			
Total Plate Count	1000cfu/g Max	Complies	AOAC
Total Yeast & Mold	50cfu/g Max	Complies	AOAC
Salmonella	Negative	Negative	AOAC
E.Coli	100cfu/g Max	10cfu/g Max	AOAC
Staphylococcus aureus	100cfu/g Max	10cfu/g Max	AOAC
Conclusion	Complies with specification.		
Shelf Life	24 months under the conditions below, no antioxidant used.		
Package	Standard packed in fiber-drum and two plastic bags inside.		
Storage	Keep in cool & dry place. Keep away from strong light and heat.		
Shelf life	Two Years under the above condition, and in it's original package.		

Quality Assurance: Liang Yan

