



Xi'an Changyue Biological Technology Co., Ltd

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Certificate of Analysis

Product Name	: Tribulus terrestris extract	Latin Name	: Tribulus terrestris.
Plant part Used	: Whole grass and fruit	Type of extraction	: Water
Extraction ratio	: 10:1	Excipients	: None
Batch Number	: 20220816	Quantity	: 2000kg
Packing	: 25kg/Paper Drum	Manufacture Date	: 2022/08/16/
Analysis Date	: 2022/08/22/	Report Date	: 2022/08/27/

Analysis	Specification	Results	Test Methods
Assay			
Assay	total saponin \geq 95%	96.22%	UV
Description			
Appearance	Brown fine powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Particle size	100% pass80 mesh	Complies	CP2015
Chemical			
Loss on drying	\leq 5.0%	4.27%	CP2015
Ash	\leq 5.0%	4.48%	CP2015
Pesticides	Negative	Negative	CP2015
Heavy Metal	\leq 10ppm	Complies	CP2015(AAS)
Pb	\leq 3.0ppm	Not detected	CP2015(AAS)
As	\leq 2.0ppm	Not detected	CP2015(AAS)
Cd	\leq 1.0ppm	0.21ppm	CP2015(AAS)
Hg	\leq 0.1ppm	0.03ppm	CP2015(AAS)
Microbiology			
Total of bacteria	\leq 1000cfu/g	200cfu/g	CP2015
Molds	\leq 100cfu/g	40cfu/g	CP2015
Salmonella	Negative	Complies	CP2015
E.Coli	Negative	Complies	CP2015
Conclusion			
Conclusion	Conform with specification.		
Storage			
Storage	Store in cool & dry place. Do not freeze. Keep away from strong light and heat.		
Shelf life			
Shelf life	2 years when properly stored.		
Expiration Date			
Expiration Date	2024/08/15/		
Quality Assurance Officer	Analyst		

