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Xi'an Plant Bio-engineering Co., Ltd

CERTIFICATE OF ANALYSIS

Product Name	Horny Goat Weed extract		
Ingredient	Icariin	Botanical Source	<i>Epimedium grandiflorum</i>
Part Used	Stem & Leaves	Extract solvent	Ethanol & Water
Batch No.	YY170812	Manufacturing Date	2017-8-15
Butch Quantity	20KGS	Expiration Date	2019-8-14

Analysi Item	Specifications	Results	TestMethods
Maker Compounds	Icariin $\geq 98.0\%$	98.21%	HPLC
Appearance	Yellow Crystal Powder	Conforms	Visual
Identification	Must Positive	Positive	TLC
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Particle Size	100% Through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	$\leq 5.0\%$	2.15%	CP2010Appendix IX G
Ash content	$\leq 1.0\%$	0.35%	CP2010Appendix IX K
Solvent Residue	Negative	Conforms	Gas Chromatography
Pesticide Residue	Negative	Conforms	Gas Chromatography
Total Heavy Metals	$\leq 10\text{ppm}$	Conforms	CP2010Appendix IX E
Arsenic	$\leq 2\text{ppm}$	Conforms	CP2010Appendix IX F
Pb	$\leq 2\text{ppm}$	Conforms	CP2010Appendix IX B
Total Plate Count	$\leq 1000\text{cfu/g}$	Conforms	CP2010Appendix XIII C
Total Yeast & Mold	$\leq 100\text{cfu/g}$	Conforms	CP2010Appendix XIII C
E. Coli	NMT 30 MPN/100g	Conforms	CP2010Appendix XIII C
Salmonella	Negative/25g	Conforms	CP2010Appendix XIII C
Staphylococcus	Negative/25g	Conforms	CP2010Appendix XIII C
Packing and Size	Packed in drum & two plastic-bags inside, Net Weight:: 25Kg/drum		

Conclusion	Conform with Specification.
Storage	Store in a cool and dry place, keep away from direct strong and heat.
Shelf Life	24months if when properly stored