

SHAANXI YOUGU BIOTECHNOLOGY CO., LTD

CERTIFICATE OF ANALYSIS

Product Name: Kudzu extract	Date Test: Mar.03,2019	Mfg. Date: Mar.02,2019	
Botanical Name: <i>Pueraria lobata</i> (Willd.) Ohwi	Plant part: Root	Exp. date: Mar.01,2021	
Batch No.: 19030201	Type of products: Extract	Weight: 900 kg	
Active Ingredient Markers: Puerarin, DDG, MOP, Daizin, Daidzein		Origin: China	
ITEMS	SPECIFICATIONS	RESULTS	METHOD/STANDARD
Appearance	Yellow-brown fine powder	Qualified	Organoleptic
Odor & Taste	Characteristic	Qualified	Organoleptic
Extract solvent	Water & Ethanol	Qualified	--
Solubility	Soluble in ethanol	Qualified	--
Excipient	Negative	Qualified	--
Mesh	100~120	Qualified	GB5507-85
Method of extract	Soak & carry	Qualified	--
Loss on drying	≤5.0%	3.35%	GB5492-85
Ash	≤5.0%	4.09%	AOAC942.05.17 th
Solvent residue	Negative	Qualified	--
Sulphate	Negative	Qualified	--
Identification:		Positive(+)	By TLC/HPLC
Extract ratio	20:1	Qualified	--
Assay (On dry basis)	≥40.0% Pueraria Isoflavones	40.84%	HPLC
	25%~27% Puerarin	26.77%	HPLC
	6%~8% Daizin	6.53%	HPLC
	7%~9% Methoxy puerarin	7.54%	HPLC
Pesticide residues	Negative	Qualified	--
Phosphate Organics	Negative	Qualified	--
Organics Residues	Negative	Qualified	--
Heavy Metals	≤10ppm	Qualified	Ass
Pb	≤2ppm	Qualified	AOAC985.01.16 th
As	≤0.5ppm	Qualified	AOAC985.01.16 th
Hg	≤0.1ppm	Negative	AOAC971.21/977.15
Cd	≤1.0ppm	Negative	GB/T5009.15-1996
Microbiological			
Total Plate Count	1000cfu/g Max	<100cfu/g	AOAC990.12.16 th
Yeast& Mold	100cfu/g Max	<50cfu/g	FDA(BAM)Chapter18,8 th Ed
E.Coli colonies/g	Negative (-)	Negative	AOAC975.55.16 ^t
Samonella colonies/g	Negative (-)	Negative	FDA(BAM)Chapter 5,8 th Ed

Conclusion: Confirm to Specification

Packing: Packed in paper-drums and two plastic-bags inside N.W: 25kgs. I.D. 35 x H51cm

Storage: Cool& dry place. Do not freeze. Keep away from strong light and heat

Shelf life: 2 Years under the conditions above and in its original packaging.

QC MANAGER: Jianyuan Cai

APPROVER: Huiqing Jiao

ANALYST: Yanping Xiao