

## SHAANXI YOUGU BIOTECHNOLOGY CO., LTD

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b> Rhaponticum carthamoides extract	<b>Date Test:</b> April.05.2019	<b>Mfg Date:</b> April.04,2019
<b>Botanical Name:</b> <i>Rhaponticum carthamoides</i>	<b>Plant part:</b> Root	<b>Exp. date:</b> April.03,2021
<b>Batch No.:</b> 19040401	<b>Weight:</b> 100 kg	<b>Origin:</b> China

  

Items	SPECIFICATIONS	Results	METHOD/STANDARD
<b>DESCRIPTION</b>			
Characters	Powder	Qualified	Organoleptic
Color	Brown to red brown	Qualified	Organoleptic
Odor	Characteristic	Qualified	Organoleptic
Mesh	80	98% pass 80 mesh	CP2010
Extraction solvent	Ethanol & Water	Qualified	CP2010
Solubility	Soluble in ethanol	Qualified	CP2010
Loss on drying	≤5.0%	3.01%	CP2010
Ash	≤5.0%	2.02%	CP2010
Identification:		Positive(+)	By UV/TLC
Assay(On dry basis)	Total flavonoids≥20.0%	21.85%	UV
<b>Heavy Metals</b>	≤10ppm	Qualified	CP2010
Pb	≤1ppm	Qualified	GB/T 5009.12-2003
As	≤2ppm	Qualified	GB/T 5009.11-2003
Hg	≤0.1ppm	Qualified	GB/T 5009.15-2003
Cr	≤0.5ppm	Qualified	GB/T 5009.17-2003
<b>Microbiological</b>			
Total Plate Count	1000cfu/g Max	<100cfu/g	AOAC990.12,16 <sup>th</sup>
Yeast& Mold	100cfu/g Max	<50cfu/g	AOAC996.08, 991.14
E.Coli colonies/g	Negative(-)	Negative	AOAC2001.05
Samonella colonies/g	Negative(-)	Negative	AOAC990.12
<b>General Status</b>			
GMO Free	None	Qualified	--
Non-Irradiation	None	Qualified	--

**Conclusion:** Confirm to CP2010

**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

