

## SHAANXI YOUGU BIOTECHNOLOGY CO., LTD

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b> Inulin	<b>Date Test:</b> Jan.23,2019	<b>Mfg Date:</b> Jan.22,2019	
<b>Botanical Name:</b> <i>Helianthus tuberosus L.</i>	<b>Plant part:</b> Tuber	<b>Exp. date:</b> Jan.21,2021	
<b>Batch No.:</b> 19012201	<b>Weight:</b> 2,000 kg	<b>Origin:</b> China	
Items	SPECIFICATIONS	Results	METHOD/STANDARD
<b>DESCRIPTION</b>			
Characters	Powder	Qualified	Organoleptic
Color	White to light yellow powder	Qualified	Organoleptic
Odour	Characteristic	Qualified	Organoleptic
Mesh	80	95% pass 80 mesh	--
Loss on drying	≤4.5g/100g	3.08g/100g	GB 5009.3
pH	5.0 ~ 7.0	6.4	MOH-No. 5 of 2009
Ash	≤0.2g/100g	0.10g/100g	GB 5009.4
Identification:		Positive(+)	--
Assay			
Inulin(fructose polymers)	≥90.0g/100g	90.40g/100g	Q/JW 0001 S-2018
Others(Glucose&fructose&sucrose)	≤10.0g/100g	9.60g/100g	Q/JW 0001 S-2018
<b>Heavy Metals</b>	≤10ppm	Qualified	CP2010
Pb	≤0.2ppm	Qualified	GB 5009.268
As	≤0.2ppm	Qualified	GB 5009.268
Hg	≤0.1ppm	Qualified	GB 5009.268
Cr	≤0.1ppm	Qualified	GB 5009.268
<b>Microbiological</b>			
Total Plate Count	1000cfu/g Max	<130cfu/g	GB 4789.2
Yeast&Mold	50cfu/g Max	<15cfu/g	GB 4789.15
E.Coli colonies/g	Negative(-)	Negative	GB 4789.3
Samonella colonies/g	Negative(-)	Negative	GB 4789.4
<b>General Status</b>			
GMO Free	None	Qualified	--
Non-Irradiation	None	Qualified	--
<b>Conclusion:</b> Confirm to Specification			
<b>Packing:</b> Packed in paper-drums and two plastic-bags inside N.W: 25kgs. I.D. 35 x H51cm			
<b>Storage:</b> Cool&dry place. Do not freeze. Keep away from strong light and heat			
<b>Shelf life:</b> 2 Years under the conditions above and in its original packaging.			

QC MANAGER: Jianyuan Cai

APPROVER: Huiqing Jiao

ANALYST: Yanping Xiao