



## Unilong Industry Co., Ltd

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### CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Liquiritin	<b>Batch No.</b>	JL20230908
<b>CAS</b>	551-15-5	<b>MF Date</b>	Sep.10,2023
<b>Packing</b>	25kg/drum	<b>Analysis Date</b>	Sep.10,2023
<b>Quantity</b>	3000kg	<b>Retest Date</b>	Sep.09,2024
<b>Item</b>	<b>Standard</b>	<b>Result</b>	
<b>Appearance</b>	Off-white powder	Off-white powder	
<b>Particle size</b>	100% over 100 mesh screen	Conform	
<b>Content(Glabridin)</b>	HPLC $\geq$ 90%	92.57%	
<b>Loss on drying</b>	$\leq$ 2.0%	0.10%	
<b>Ignition residue</b>	$\leq$ 0.1%	0.01%	
<b>Pb</b>	$\leq$ 1 ppm	0.50 ppm	
<b>Ni</b>	$\leq$ 1 ppm	0.20 ppm	
<b>As</b>	$\leq$ 1 ppm	0.10ppm	
<b>Hg</b>	$\leq$ 1 ppm	0.01 ppm	
<b>Cd</b>	$\leq$ 1 ppm	0.01ppm	
<b>Methanol</b>	$\leq$ 100 ppm	56.00ppm	
<b>Formaldehyde</b>	$\leq$ 10 ppm	not detected	
<b>Ethyl Alcohol</b>	$\leq$ 330 ppm	5.00 ppm	
<b>Acetone</b>	$\leq$ 30ppm	not detected	
<b>Dichloromethane</b>	$\leq$ 30ppm	not detected	
<b>Microorganism</b>			
<b>Bacterial count</b>	<1000cfu/g	not detected	
<b>Molds and yeasts</b>	<100cfu/g	not detected	
<b>Escherichia coli</b>	not detected	not detected	
<b>Salmonella</b>	not detected	not detected	

**Analyst:** *Wen Qian*

**Quality Assurance Officer:** *Zhan Peng*

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