

## Certificate of Analysis

Product Name	Ginger Extract	Batch No.	SJ20210521
Specification	Gingerols $\geq 5\%$	Latin Name	<i>Zingiber officinale Roscoe.</i>
Part Used	Root	Produce Date	2021.10.21
Expiration Date	2023.10.20		

Item	Specification	Result	Method
<b>Physical Description</b>			
Appearance	Yellow Powder	Conforms	Visual
Odor	Unique smell of ginger	Conforms	Organoleptic
Taste	Unique taste of ginger	Conforms	Olfactory
Bulk Density	Bulk Density	54.08g/100ml	USP616
	Tight Density	73.61g/100ml	USP616
Particle Size	95% Through 80 Mesh	Conforms	CP2015
<b>Chemical Tests</b>			
Gingerols	$\geq 5.0\%$	5.06%	HPLC
6-gingerol	/	2.68%	HPLC
8-gingerol	/	0.62%	HPLC
6-shogaol	/	0.70%	HPLC
10-gingerol	/	0.94%	HPLC
10-shogaol	/	0	HPLC
8-shogaol	/	0.12%	HPLC
Moisture	$\leq 5.0\%$	3.60%	CP2015 (105 oC, 4 h)
Ash	$\leq 5.0\%$	0.06%	CP2015
Total Heavy Metals	$< 10$ ppm	Conforms	CP2015
<b>Microbiology Control</b>			
Aerobic Bacterial Count	$\leq 1,000$ CFU/g	Conforms	GB4789.2
Yeast	$\leq 100$ CFU/g	Conforms	GB4789.15
Mold	$\leq 100$ CFU/g	Conforms	GB4789.15
Escherichia Coli	$< 3.0$ MPN/g	Conforms	GB4789.38
Salmonella	Not Detected	Conforms	GB4789.4
Staphylococcus Aureus	Not Detected	Conforms	GB4789.10

Shelf Life 24 months under the conditions below, no antioxidant used

Package&Storage Standard packed in fiber-drum and two plastic bags inside  
 N.W: 25kgs. I.D. 35 x H51 cm

Store in a cool, dry place away from Moisture, Light, Oxygen

QC: Guo Shan

QA: Feng Li





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