



CERTIFICATE OF ANALYSIS

Product name:	Ginger extract powder	Plant Source	Zingiber officinale Roscoe
Used part:	Root	Manu. Date:	March,16,2019
Batch Number:	UN-F-JLS190316	Expiration Date:	March,15,2021
Batch Size	2000KG	Report Date	March,21,2019

Item	Specification	Results	Methods
Gingerol	≥5%	5.02%	HPLC
Appearance & Color	Yellowish powder	Conforms	Visual
Odor & Taste	Characteristic	Conforms	Organoleptic
Solubility	Soluble in Ethanol	Conforms	CP2015
Bulk Density	0.4-0.6g/ml	0.50g/ml	CP2015
Mesh Size	80	100%	CP2015
Loss on Drying	≤5.0%	3.62%	CP2015((105 °C, 2 h))
Ash Content	≤5.0%	3.57%	CP2015
Heavy Metals			
Total Heavy Metals	≤10ppm	3ppm	AAS/ICP-MS
Arsenic (As)	≤1.0ppm	0.15ppm	AAS/ICP-MS
Lead (Pb)	≤1.5ppm	0.7ppm	AAS/ICP-MS
Cadmium	<1mg/kg	Not Detected	AAS/ICP-MS
Mercury	≤0.3ppm	Not Detected	AAS/ICP-MS
Microbiology			
Total Plate Count	≤1000cfu/g	<100	USP
Total Yeast & Mold	≤25cfu/g	<10	USP
E. Coli	≤40MPN/100g	Not Detected	USP
Salmonella	Negative in 25g	Not Detected	USP
Staphylococcus	Negative in 10g	Not Detected	USP

Conclusion	Conform with specification
Storage	Store in cool & dry place,Keep away from strong light and heat
Shelf life	2 years when properly stored

QC: Xuejuan Gao

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