

西安普莱特生物工程有限公司

成品检验报告

CERTIFICATE OF ANALYSIS

Product Name: Gardenia Extract	
Ingredient: Genipin	
Plant Part Used: Fruit	Botanical source: <i>Gardenia jasminoides Ellis</i>
Batch No.: GP180504	CAS: 6902-77-8
Manufacture Date: 18.05, 2018	Expiry Date: 17.05, 2020
Non-Irradiated/Non-ETO/Treat by Heat Only	Solvents: Ethanol and Water

Items	Specifications	Results	Method
Appearance	Off-white powder	Conforms	Visual
Purity	≥98.0%(dried basis)	99.1%	HPLC-ELSD
Odor	Characteristic	Conforms	Organoleptic
Identification	Positive	Conforms	FTIR
Powder Size	≥95% through 80 mesh	Conforms	USP #80 Sieve
Solubility	Clear and colorless	Conforms	H2O, 10%
Loss on drying	≤5%	1.6%	USP38-NF33<731>
Residue on Ignition	≤1%	0.8%	USP38-NF33<281>
Pesticide Residues	USP<561>	Conforms	USP38-NF33<561>
Total Heavy Metals	≤10μg/g	Conforms	USP38-NF33<231>
Arsenic(As)	≤1.0μg/g	< 0.1ppm	ICP-MS
Lead(Pb)	≤1.0μg/g	< 0.1ppm	ICP-MS
Mercury (Hg)	≤0.5μg/g	< 0.1ppm	ICP-MS
Cadmium (Cd)	≤0.5μg/g	< 0.1ppm	ICP-MS
Total Plate Count	≤1000cfu/g	< 10 cfu/g	USP38-NF33<2021>
Total Yeast & Mold	≤100cfu/g	< 10 cfu/g	USP38-NF33<2021>
E.Coli	NMT 30 MPN/100g	Conforms	USP38-NF33<2022>
Salmonella	Negative/25g	Conforms	USP38-NF33<2022>
Staphylococcus	Negative/25g	Conforms	USP38-NF33<2022>
Conclusion	Conform with Specification.		

