



Hongda
Phytochemistry

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Headquarter: 1932 S Lynx Place, Ontario, CA 91761,US

Factory: No.2, Hongda Industrial District, Dacheng, Sanyuan, Xianyang, Shaanxi,China.

USA Warehouse: 1932 S. Lynx PL, Ontario, CA 91761,US

NJ Warehouse: 52 Butler Street, Unit A Elizabeth, NJ 07206

Certificate of Analysis

Raspberry Ketone 99% HPLC

Batch No.	FPZ210322	Manufacturing Date	03/22/2021
Batch Quantity	1000KG	Expiration Date	03/21/2024
Appearance	White crystalline powder	Country of Origin	China
Sterilization Method	Heat NON-IRR	CAS No.	5471-51-2
ITEMS	SPECIFICATION	RESULT	METHOD
Content	Raspberry Ketone $\geq 99\%$	99.90%	HPLC USP<621>
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Odor	Sweet Fruity Order	Conform	Organoleptic
Melting Point	82 – 84 °C	83.1°C	USP <741>
Loss on Drying	$\leq 0.5\%$	Conform	2g/800 °C/5hrs
Residue on ignition	$\leq 0.5\%$	Conform	2g/800 °C/5hrs

CHEMICAL CHARACTERISTICS

Residual Solvent	NMT 5000ppm	Conform	GC USP <467>
Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 1ppm	< 1ppm	ICP-MS
Lead (Pb)	NMT 1ppm	< 1ppm	ICP-MS
Cadmium(Cd)	NMT 0.5ppm	< 0.5ppm	ICP-MS
Mercury(Hg)	NMT 0.5ppm	< 0.5ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1000cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT100cfu/g	Conform	USP<61>
E.Coli	Not Detected in(g) 10	Not Detected	USP<61>
Salmonella	Not Detected in(g) 25	Not Detected	USP<61>
Staphylococcus	Not Detected in(g) 10	Not Detected	USP<61>

Packing and Storage

Polyethylene bag with cardboard drum. 25kg net.

Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by: *Tracy Cui* Date: 03/29/2021

Approved by: *Jack Jia* Date: 03/29/2021