

## SPECIFICATION

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<b>Product name: Black Pepper Extract</b>			
Botanical Name	<i>Piper nigrum L.</i>	Part	Fruit
Origin	China	Solvent Used	Ethanol & Water
CAS	94-62-2		
Item	Standard	Analysis Method	
Appearance	Light Yellow Powder	Visual	
Odor & Taste	Characteristic	Organoleptic	
<b>Typical Analysis</b>			
Assay (Piperine)	≥ 95%	HPLC	
Particle Size	95% Through 80 mesh	CP2015	
Loss on drying	≤ 1.0%	CP2015 (105 °C, 4 h)	
Sulphated Ash	≤ 1.0%	CP2015	
Benzo(a)pyrene	≤ 10µg/kg	(EU) 2015/1933	
PAH4	≤ 50µg/kg	(EU) 2015/1933	
<b>Heavy Metals</b>			
Heavy metals	≤ 10ppm	Atomic Absorption	
Arsenic (As)	≤ 1.0ppm	Atomic Absorption	
Lead (Pb)	≤ 3.0ppm	Atomic Absorption	
Cadmium (Cd)	≤ 1.0ppm	Atomic Absorption	
Mercury (Hg)	≤ 0.1ppm	Atomic Absorption	
<b>Microorganism</b>			
Total Plate Count	<1000cfu/g	GB 4789.2	
Yeast and Mold	<100cfu/g	GB 4789.15	
Escherichia Coli	<3.0MPN/g	GB 4789.38	
Salmonella	Negative /25g	GB 4789.4	
Package	Packed In 25kgs/Drum		
Shelf life	2 Year When Properly Stored		
Storage	In Tight, Light-resistant and Dry Place. Avoid Direct Sunshine.		