

**Black Pepper Extract Specification**

Product Name : Black Pepper Extract	Botanical Name : <i>Piper nigrum</i> L
Origin Of Material : China	Part Used : Fruit (Dried)
Lot No. : NIS22030128-BPP-03	MFG. : 13/03/2022
Extract Solvent : Ethanol	EXP. : 13/03/2024
Packaging Size : 1 Kg	Packaging : Aluminium Foil Zip Lock Bag

Analysis	Specification	Reference Method
<b>Physical Test</b>		
-Appearance	Fine light yellow or off white powder	Visual
-Odor & Taste	Characteristic	Organoleptic
-Particle Size	90% through 80 mesh	80 Mesh Screen
-Solubility	Partially soluble in hydro-alcoholic solution	Visual
<b>Chemical Test</b>		
-Assay (Piperine)	≥ 95.00%	HPLC
-Moisture Content	≤ 8.00 %	National food safety standard (GB.5009.3)
-Ash Content	≤ 10.00 %	National food safety standard (GB.5009.4)
<b>Heavy Metals</b>		
Total Heavy Metals	≤ 20.00 ppm	National food safety standard (GB.5009.74)
-Arsenic (As)	≤ 2.00 ppm	National food safety standard(GB.5009.11)
-Lead (Pb)	≤ 2.00 ppm	National food safety standard(GB.5009.12)
<b>Microbiological Test</b>		
-Total Plate Count	≤ 10 <sup>4</sup> cfu/g	National food safety standard(GB.4789.2)
-Total Yeast & Mold	≤ 10 <sup>3</sup> cfu/g	National food safety standard(GB.4789.15)
-Escherichia coli	Negative/10g	National food safety standard(GB.4789.38)
-Staphylococcus aureus	Negative/10g	National food safety standard(GB.4789.4)
-Salmonella	Negative/25g	National food safety standard(GB.4789.10)

Conclusion : Conform with the specification.

Storage : In cool & dry place. Keep away from strong light and heat.

Shelf life : 2 years when properly stored.

( 13 / 03 / 2022 )

Quality Control

( 13 / 03 / 2022 )

Research & Development

