



## TECHNICAL DATA SHEET

Product code	030141
Product	Black Pepper Extract
Specification	Piperine≥3.0%,HPLC
Part used	Fruit
Botanical source	<i>Piper nigrum L.</i>
Solvent	Water and Ethanol
Carrier	None

Items	Specification	Methods
<b>Physical &amp; chemical</b>		
Color	Brown	Organoleptic
Odor	Characteristic	Organoleptic
Appearance	Fine granular	Organoleptic
<b>Analytical quality</b>		
Identification	Identical to <i>R.S.</i> sample	HPTLC
Sieve analysis	90% through 80 mesh	Eur.Ph.<2.9.12>
Loss on drying	≤5.0%	Eur.Ph.7.0 [2.8.17]
Total ash	≤10.0%	Eur.Ph.<2.4.16>
Bulk density	40~60g/100mL	Eur.Ph.<2.9.34>
Tap density	60~90g/100mL	Eur.Ph.<2.9.34>
Piperine	≥3.0%	HPLC
<b>Contaminants</b>		
Lead (Pb)	≤3.0mg/kg	Eur.Ph.<2.2.58>ICP-MS
Arsenic (As)	≤2.0mg/kg	Eur.Ph.<2.2.58>ICP-MS
Cadmium (Cd)	≤1.0mg/kg	Eur.Ph.<2.2.58>ICP-MS
Mercury (Hg)	≤0.1mg/kg	Eur.Ph.<2.2.58>ICP-MS
Solvents residue	Meet Eur. Ph. Requirements	Eur.Ph.<2.4.24>
Pesticides residue	Meet Eur. Ph. Requirements	Eur.Ph.<2.4.13>
<b>Microbiological</b>		
Total plate count	≤10000cfu/g	Eur.Ph.<2.6.12>
Yeast & mold	≤1000cfu/g	Eur.Ph.<2.6.12>
E. Coli.	Negative(per 10 grams)	Eur.Ph.<2.6.13>
Salmonella	Negative(per 25 grams)	Eur.Ph.<2.6.13>
<b>General Status</b>		
Non-Irradiation	≤700	EN13751:2002<PSL>

Net weight: 25kgs/Drum or Carton;

Gross weight: 27.5Kgs±0.5kg

24 months under 30°C in a well-closed container and away from moisture, light, oxygen.

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