

TECHNICAL DATA SHEET

Product code	030197
Product	Ginger root extract
Specification	Gingerols \geq 5%, HPLC
Part used	Root
<i>Botanical source</i>	<i>Zingiber officinale Roscoe</i>
Solvents Used	Water & Ethanol
Carrier	None

Items	Specification	Methods
Physical & chemical		
Color	Brown	Organoleptic
Odor	Characteristic	Organoleptic
Appearance	Powder	Organoleptic
Analytical quality		
Identification	Identical to <i>R.S.</i> sample	HPTLC
Sieve analysis	90% pass the 80mesh	Eur.Ph.<2.9.12>
Loss on drying	\leq 5.0%	Eur.Ph.7.0 [2.8.17]
Total ash	\leq 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>
Gingerols	\geq 5.0%	HPLC
Contaminants		
Lead (Pb)	\leq 3.0mg/kg	Eur.Ph.<2.2.58>ICP-MS
Arsenic (As)	\leq 2.0mg/kg	Eur.Ph.<2.2.58>ICP-MS
Cadmium (Cd)	\leq 1.0mg/kg	Eur.Ph.<2.2.58>ICP-MS
Mercury (Hg)	\leq 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>
Microbiological		
Total plate count	\leq 10000cfu/g	Eur.Ph.<2.6.12>
Yeast & mold	\leq 1000cfu/g	Eur.Ph.<2.6.12>
E. Coli.	Negative	Eur.Ph.<2.6.13>
Salmonella	Negative	Eur.Ph.<2.6.13>
General Status		
Non-Irradiation	\leq 700	EN13751:2002<PSL>

Net weight: 25kgs/Drum or Carton;

Gross weight: 27.5Kgs \pm 0.5kg

24 months under 30 $^{\circ}$ C in a well-closed container and away from moisture, light, oxygen.