

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product Ginseng Liquid Extract
2. INCI Name Panax ginseng
3. CAS Number 50647-08-0
4. Batch No & Mfg. Date As mentioned on Label
5. Date Of Exp 12 Months From MFG
6. Date of Analysis

SN.	Parameters	Specification	Results	Test Protocol
1	Botanical Name	Panax ginseng	Complies
2	Description	Transparent colourless liquid	Complies	Visual
3	pH of 1 % w/v aq. soln	3.5-7	5.88	IP 2014
4	Water solubility	Soluble	Complies	IP 2014
5	Propylene glycol solubility	Soluble	Complies	IP 2014
6	Specific gravity (20°C)	0.900 - 2.00	1.051	IP 2014
7	Dry residue	NMT-30%	6.22
Heavy Metals				
8	Arsenic	NMT 1ppm	Complies	"AOAC" Method
9	Lead	NMT 1ppm	Complies	"AOAC" Method
10	Mercury	NMT 1ppm	Complies	"AOAC" Method
11	Cadmium	NMT 0.5ppm	Complies	"AOAC" Method
Microbiological Tests				
12	Total Aerobic Bacteria	NMT 1000 cfu/gm	Complies	USP
13	Yeast and Moulds	NMT 100 cfu/gm	Complies	USP
14	Escherichia coli	Absent	Absent	USP
15	Salmonella	Absent	Absent	USP
16	Staphylococcus aureus	Absent	Absent	USP
17	Pseudomonas aeruginosa	Absent	Absent	USP

There is likely to be minor color variation because of the geographical and Seasonal variations of the raw material
Legend:NLT= not less than, NMT=Not more than, CFU=Colony forming unit/gram