

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	HIBISCUS DISTILLATE COLOURLESS LIQUID EXTRACT-10:1
2. INCI Name	Hibiscus Rosa-Sinensis
3. CAS Number	84775-96-2
3. Date Of Exp	As on Product Label

SR. No.	Parameters	Specification	Results	Test Protocol
1	Botanical Name	<i>Hibiscus rosa-sinensis</i>	Complies
2	Description	Transparent colourless liquid	Complies	Visual
3	pH of 1 % w/v aq. soln	4-7	4.73	IP 2014
4	Water solubility	soluble	Complies	IP 2014
5	Propylene glycol solubility	soluble	Complies	IP 2014
6	Specific gravity (20°C)	1.020-1.050	1.028	IP 2014
7	Dry residue 105°C	0.5%-2.0%	1.65%	IP 2014
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 5000 cfu/gm	Complies	USP
13	Yeast and Moulds	NMT 200 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

Since it is a herbal product, 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