

**ARBRO™**PHARMACEUTICALS LIMITED
(ANALYTICAL DIVISION)

ISO 9001 : 2000 Certified

Govt. Approved Test House

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CERTIFICATE OF ANALYSIS

C

ISO 9001 : 2000

DNV
Certified Company

Sample	:SAFFRON (KESAR) IS			Report No.	:NR-11111717
Mfgd By	:N.S.			Received On	:17/11/2011
Supplied By	:N.S.			Mfg.Lic.No.	:N.S.
Submitted By	:KINGS FOOD C/O M.L. SARRAF & SONS			Ref. No.	:N.S.
Address	:CHOUK SARRAFA BAZAR MEERUT CITY				
Batch No.	Mfg. Date	Expiry Date	Batch Size	Sample Qty	
011011	10/2011	AFTER 3 YEAR	3KG	10GM.	

RESULTS OF ANALYSIS

Reference to Protocol :- IS 5453 (Part 1):1996, Reaffirmed 2003.

Description :- Dark red coloured filaments of saffron
It is free from foreign colouring matter
any other extraneous matter.

<PARAMETERS>	<RESULTS>	<LIMIT>		<METHOD>
		<Min>	<Max>	
Total ash, % by mass (on dried basis)	:- 5.80	-	8	IS:5453, P-11-1996
Acid insoluble ash, % by mass: (on dried basis)	:- 0.09	-	1.0	IS:5453, P-11-1996
Moisture & Volatile matter, (% by mass)	:- 11.59	-	12	IS:5453, P-11-1996
Solubility in cold water, (% by mass) (on dried basis)	:- 56.18	-	65	IS:1797-1985
Bitterness (U-V absorbance) at 257nm (on dried basis) (Grade-I)	:- 77.98	70	-	IS:5453, P-11-1996
Safranal (U-V absorbance) at 330nm (on dried basis)	:- 35.98	20	50	IS:5453, P-11-1996
Colouring strength (U-V absorbance at 440nm) (Grade-I)	:- 194.94	190	-	IS:5453, P-11-1996
Total Nitrogen, % by mass (on dried basis)	:- 1.70	-	3.0	IS:5194-1996
Crude fibre, % by mass (on dried basis)	:- 2.30	-	6	IS:1797-1985

Remark: The submitted sample confirmed to IS:5453 (Part - I):1996 in grade I. Specification as per above tested parameters only.

Date : Saturday, November 19, 2011

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Person In ChargeD. P. Singh
Section Incharge