



# ARBRO™

PHARMACEUTICALS PRIVATE LIMITED  
(ANALYTICAL DIVISION)

ISO 9001 : 2015 Certified

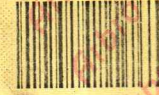
**Govt. Approved Test House**

CERTIFICATE OF ANALYSIS



Test Report No. 201907150157

Dated 15/07/2019



Issued to : DURGA TRADING COMPANY  
6018 1st floor, gali ary samaj na ya bans khari baoli , DELHI  
110006

Customer Ref. No : NS

Sample Name : GOPAL BRAND SAFFRON

Manufactured By : DURGA TRADING CO.

Supplied By : DURGA TRADING COMPANY

Batch No. : R98

Manufacturing Date : 07/2019

Expiry Date : 11/2020

Mfg lic. No : 13319001000484

Purchase Order No. : NS

Sample Quantity : 30 gm

Batch Size : 250 gm

Sample Condition : Sealed

Date of Sample Receipt : 15/07/2019

Date of Analysis Started : 15/07/2019

Date of Analysis Completed : 22/07/2019

Reference to protocol : FSSR-2011

Sample Drawn by : Sample not drawn by laboratory.

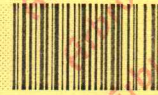
Sr.No.	Parameters	Unit	Test Result	Requirements	LOD/LLOQ	Method
1	Appearance .		Dark red colour saffron filaments free from foreign odour and mustiness,mould ,living and dead insects fragments,rodent contamination and added colouring matter.	It shall be dark red in colour with a slightly bitter and pungent flavour, free from foreign odour and mustiness. It shall be free from mould, d,living and dead insects fragments,rodent contamination. The product shall be free from added colouring matter.	-	
2	* Extraneous matter,	% w/w	Nil	Max. 1.0	-	IS 5453 (PART-2),CLAUSE - 7
3	* Colour .		Dark red	It shall be dark red in colour	-	VISUAL


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Sr.No.	Parameters	Unit	Test Result	Requirements	LOD/LLOQ	Method
4	* Taste & Flavour		Slightly bitter & pungent flavour.	Slightly bitter & pungent flavour.	-	Organoleptic
5	* Odour		Free from foreign odour & mustiness.	free from foreign odour & mustiness.	-	Organoleptic
6	* Mould and dead insect		Absent	Should be Absent.	-	Visual
7	* Living insect		Absent	Should be Absent.	-	Visual
8	* Rodent contamination (hair & excreta)		Absent	Should be Absent.	-	BY VISUAL
9	* Moisture and volatile matter,	% w/w	11.38	Max. 12.0	-	IS:5453 (Part-2), CLAUSE - 9
10	* Floral waste.	% w/w	Nil	Max. 10.0	-	IS 5453 (PART-2), CLAUSE - 6
11	* Total ash (ODB).	% w/w	6.55	Max. 8.0	-	IS 5453 (PART-2), CLAUSE - 10
12	Ash insoluble in dilute Hydrochloric acid on dry basis	% w/w	0.12	Max. 1.5	-	IS:5453 (Part-2)1996
13	Solubility in cold water (on dried basis,	% w/w	40.57	Max. 65.0	-	IS 1797 (PART-2), CLAUSE - 11
14	Bitterness expr. as direct reading of absorbance of picrococin at about 257nm (on dry basis)		71.94	Min. 30.0	-	IS 5453 (PART-2), CLAUSE - 13
15	Safranal expr.as direct reading of absorbance at 330 nm (on dry basis)		37.57	20.0 - 50.0	-	IS 5453 (PART-2), CLAUSE - 13
16	Colouring strength expressed as direct reading of absorbance of crocine at 440 nm (on dried basis)		152.92	Min. 80.0	-	IS 5453 (PART-2), CLAUSE - 13
17	Nitrogen (on dried basis).	% w/w	1.34	Max. 2.0	-	IS 7219
18	* Crude fibre .	% w/w	2.77	Max. 6.0	-	IS:1797
19	* Inorganic Bromide	mg/kg	Below detection limit	Max. 400	0.050	APL/CHE/STP-127
20	* Salmonella ,	per 25 gm	Absent	Should be Absent.	-	IS:5887 (P-3):2013
21	* Lead (as Pb).	mg/kg	0.628	Max. 2.5	0.080	AOAC 2015.01
22	* Arsenic(as As).	mg/kg	Below detection limit	Max. 1.1	0.080	AOAC 2015.01
23	* Cadmium (as Cd).	mg/kg	Below detection limit	Max. 1.5	0.080	AOAC 2015.01



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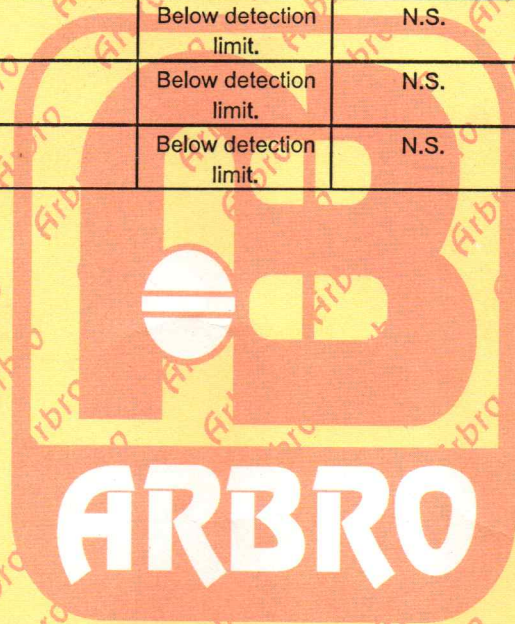


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Sr.No.	Parameters	Unit	Test Result	Requirements	LOD/LLOQ	Method
24	* Mercury (as Hg).	mg/kg	Below detection limit	Max. 1.0	0.080	AOAC 2015.01
25	* Total Aflatoxin,	mcg/Kg	Not detected	Max. 15	-	IS-4684:1975,Appendix -J
26	Brilliant Blue	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
27	Ponceau 4R	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
28	Sunset yellow	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
29	Indigo Carmine	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
30	Carmoisine	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
31	Erythrosine	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
32	Tartrazine	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145
33	Fast Green	mg/kg	Below detection limit.	N.S.	10.0	APL/CHE/STP-145



Note : The test marked with \* are not accredited by NABL

Report Sample submitted conforms to FSSR-2011 specification for the above tested parameters.

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**Authorized Signatory**

Monday, Jul 22, 2019

ULR - TC737519100021074P