

9. ANNEXURES

9.1. Certificate of Analysis of plants and Tamoxifen

A) *Butea monosperma*

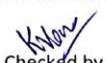
SR. NO.	TEST	STANDARDS	RESULTS
1.	Description	Brown colored powder with characteristic odor & taste.	Complies
2.	pH (1% w/v aqueous solution)	3 - 7	5.12
3.	Water Soluble Extractive	NLT 80%	89.12 %
4.	Alcohol Soluble Extractive	---	----
5.	Moisture Content	NMT 7 %	5.03 %
6.	ASSAY	Flavones NLT 2 %	2.64 %
7.	MICROBIOLOGICAL TEST a) Total Plate count b) Mould & yeast c) Salmonella d) Escherichia coli e) Total coliform	NMT 1000 cfu/gm NMT 100 cfu/gm Absent Absent Absent	150 cfu/gm 10 cfu/gm Absent Absent Absent

CERTIFICATE OF ANALYSIS
HERAL DRY EXTRACT

1. NAME OF CUSTOMER : M.S.UNIVERSITY
2. NAME OF PRODUCT : Palash Extract
3. BOTANICAL NAME : Butea monosperma
4. STRENGTH : 10:1
5. BATCH NO. : ABPL/HRB/571/14-15
6. COA NO./DATE : ABPL/1707/ANA-HRB/788/14-15,Dt.11/02/2015
7. DATE OF ANALYSIS : January-2015
8. MFG. DATE : December-2014
9. EXP. DATE : 30-November-2017
10. PART OF PLANT : Flower

Amines
Biotech Pvt. Ltd.

OPINION OF THE ANALYST: The above material complies with the prescribed standards.

Prepared By: 
Checked by: 
Approved by: 

Regd. Office : Plot No. 28-A, Gandhi Oil Mill Compound, Nr. BIDD, Gorwa, Vadodara-390016, Gujarat, INDIA.
Corp. Office : 103 - 104, Galaxy Complex, 16 / Vishwas Colony, B/h National Plaza, R.C. Dutt Road, Vadodara-390007, Gujarat, INDIA. Ph: -2342208, 2342642.
Fax: +91-265-2337588, E-mail: marketing@aminesbiotech.com, aminesbiotech@aminesbiotech.com, Website : www.aminesbiotech.com

B) *Lycopersicon esculentum*



CERTIFICATE OF ANALYSIS
HERAL DRY EXTRACT

1. NAME OF CUSTOMER : M.S. UNIVERSITY OF BARODA
 2. NAME OF PRODUCT : TOMATO EXTRACT
 3. BOTANICAL NAME : *Lycopersicon esculentum*
 4. BATCH NO. : ABPL/HRB/560/14-15
 5. COA NO./DATE : ABPL/1678/ANA-HRB/779/14-15, Dt.05/02/2015
 6. DATE OF ANALYSIS : December-2014
 7. MFG. DATE : December-2014
 8. EXP. DATE : 30-November-2017
 9. PART OF PLANT : Fruit

SR. NO.	TEST	STANDARDS	RESULTS
1.	DESCRIPTION		
	a) Appearance	Brown colored Powder	Complies
	b) Odor	Characteristics	Complies
	c) Taste	Characteristics	Complies
2.	pH (1% w/v aqueous solution)	3 - 7	3.52
3.	Water Soluble Extractive	NLT 80%	93.53%
4.	Alcohol Soluble Extractive	-----	-----
5.	Moisture Content	NMT 7%	4.11%
6.	ASSAY	Citric acid NLT 4 %	4.14 %
7.	MICROBIOLOGICAL TEST		
	a) Total Plate count	NMT 1000 cfu/gm	110 cfu/gm
	b) Mould & yeast	NMT 100 cfu/gm	12 cfu/gm
	c) Salmonella	Absent	Absent
	d) Escherichia coli	Absent	Absent
	e) Total coliform	Absent	Absent

OPINION OF THE ANALYST: The above material complies with the prescribed standards.

 Prepared By
  Checked by
  Approved by

Regd. Office : Plot No. 28-A, Gandhi Oil Mill Compound, Nr. BIDC, Gorwa, Vadodara-390016, Gujarat, INDIA.
 Corp. Office : 103 - 104, Galaxy Complex, 16 / Vishwas Colony, B/h National Plaza, R.C. Dutt Road, Vadodara-390007, Gujarat, INDIA. Ph: -2342208, 2342642.
 Fax: +91-265-2337588 , E-mail: marketing@aminesbiotech.com, aminesbiotech@aminesbiotech.com, Website : www.aminesbiotech.com

C) *Cassia fistula***KISALAYA HERBALS LIMITED**

GMP, Kosher, ISO 9001:2008, ISO 14001:2004, ISO 22000:2005 Certified
 303, Alankar Chambers, 2-A, Rattam Kothi, INDORE - 452 001 (INDIA) Phone : 91 - 731 - 4065904, 2519904
 Fax : 91 - 731 - 2524258 E-mail : kisalaya@kisalaya.com visit : www.kisalaya.com

Certificate of Analysis

Product	Cassia fistula (Amaltas) Dry Extract
Herb Ext Ratio	5:1
Batch No	KAMT/860
Mfg Date	November, 2014

S. No.	Protocols of Test	Standard to which compared	Actual results
1	Description	Brown coloured powder with slight bitter taste	Complies
2	Identification	Presence of Mucilage-Positive	Complies
3	Solubility		
(a)	Water	Min. 75.0%	84.46%
(b)	50% v/v alcohol	Min. 50.0%	81.05%
4	pH of 1% solution	3 - 7	4.20
5	Assay (on dry basis)		
	For Mucilages	Min. 15.0%	20.86%
6	Total Ash	Max. 10.0%	2.80%
7	Moisture content	Max. 10.0%	7.20%

Opinion of Analyst: The above analyzed product confirms/~~does not confirm~~ to the standards stated.

For KISALAYA HERBALS LIMITED

SEEMA R.
 (ANALYTICAL CHEMIST)
 FDC No.: ANACHEM - 1011

D) Tamoxifen

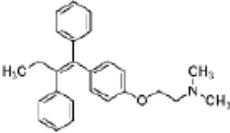
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 Website: www.sigmaaldrich.com
 Email USA: techserv@sial.com
 Outside USA: eurtechserv@sial.com

Product Specification

Product Name: Tamoxifen - ≥99%

Product Number: T5648
 CAS Number: 10540-29-1
 MDL: MFCD00010454
 Formula: C₂₆H₂₉NO
 Formula Weight: 371.51 g/mol
 Storage Temperature: 2 - 8 °C



TEST	Specification
Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
50 mg/mL, CHCl ₃	
Infrared spectrum	Conforms to Structure
Titration with HClO ₄	≥ 99 %
Purity (TLC)	≥ 99 %

9.2. Institutional Animal Ethics Committee (IAEC) Approval

Institutional Animal Ethics Committee
Pharmacy Department
(Reg. No. 404/01/a/CPCSEA)
The Maharaja Sayajirao University of Baroda
Vadodara



CERTIFICATE

This is to certify that the following project has been approved by the Institutional Animal Ethics Committee (IAEC), Pharmacy Department.

Protocol No. : MSU/IAEC/2014-15/1436
Project title : Pharmacological evaluation of some medicinal plants in breast cancer.
Chief Investigator : Karia Prachi D.
Research Guide : Dr. Kirti V. Patel



Date of Approval: 22/11/2014


Dr. N.H. Kelawala
(CPCSEA Main Nominee)


Prof. M.R. Yadav
(Chairman, IAEC)

**Institutional Animal Ethics Committee
Pharmacy Department
Old: 404/01/a/CPCSEA (25th April, 2001)
New: 404/PO/Re/S/01/CPCSEA (28th October, 2015)
The Maharaja Sayajirao University of Baroda
Vadodara**



CERTIFICATE

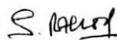
This is to certify that the following project has been approved by the Institutional Animal Ethics Committee (IAEC), Pharmacy Department.

Protocol No.	: MSU/IAEC/2016-17/1639
Project title	: Pharmacological evaluation of some medicinal plants is breast cancer.
Chief Investigator	: Karia Prachi D.
Research Guide	: Dr. Kirti V. Patel



Date of Approval: 30/12/2016


Dr. Bharat Gajjar
(CPCSEA Main Nominee)


Shri S.P. Rathod
(Chairman, IAEC)

9.3. Paper publication

- “Breast cancer amelioration by *Butea monosperma in-vitro* and *in-vivo*” in Journal of Ethnopharmacology, Volume 217C; Pages: 54-62, 2018.
- “Evaluation of Ivabradine against Insulin Resistance Syndrome in Experimental Animals” in International Journal of Pharmaceutical Research Scholar, 2014, Volume -3; Issue-4; Pages 248-259

9.4. Achievements

- First prize for Poster Presentation on “Breast cancer amelioration by *Butea monosperma in-vitro* and *in-vivo*” in International Conference, NIPICON-2018, held at Nirma University, Ahmedabad, January 23-25, 2018.

9.5. Conferences, seminars, workshops, symposium attended

- National Seminar on “Integration of herbal drugs with modern medicine for better health care” held at ITM School of Pharmacy, ITM Universe, Vadodara, 23-24 February, 2018.
- Western Region Conference of Indian Pharmacological Society (WRIPSCON) held at Department of Pharmacology, B. J. Medical College, Ahmedabad, 19 August, 2017.
- GUJCOST sponsored one day seminar on “Ethics and Plagiarism in Academic Research” held at Pharmacy Department, The Maharaja Sayajirao University of Baroda, Vadodara, 24 August, 2015.
- UGC sponsored one day seminar on “Fostering Innovations in Pharmaceutical Research: Planning to Implementation” held at Pharmacy Department, The Maharaja Sayajirao University of Baroda, Vadodara, 20 March, 2015.

9.6. Oral presentation

- “Anticancer activity of *Psidium Guajava* Linn against Human Breast Cancer Cell Lines and MNU induced mammary carcinogenesis in rats” accepted for oral presentation for IPSCON 2016, held at Postgraduate Institute of Medical Education and Research; 20-23 October 2016.