



**SHRI BALAJI SHELLAC PRODUCT**

**Proprietor - Mr. Rajesh Gupta**

**Khirkitola Road , Gram - Soram, District- Dhamtari ,(CHHATTISGARH).**

**State Code: 22, Pincode-493773**

**TECHNICAL DATA SHEET OF PRODUCT**

**DEWAXED BLEACH SHELLAC POWDER**



***There are nine steps to developing a TDS for Dewaxed Bleach Shellac Powder:***

- 1. Identify the botanical origin*
- 2. Indicate the availability*
- 3. Describe the processing methods for your ingredient*
- 4. List all classifications relevant for your product*
- 5. Provide a physical analysis and a chemical analysis*
- 6. State compliance with international standards*
- 7. Indicate storage conditions*
- 8. Identify potential applications*
- 9. List your certificates*

# **INTRODUCTION**

## **PURPOSE**

Identify and describe scope of product whose technical specifications are being documented, and describe desired outcome.

## **INTENDED AUDIENCE AND PERTINENT SECTIONS**

Describe each type of reader, including developers, users, testers, writers, marketing, etc., and outline which portions of document are crucial to their department.

## **PROJECT SCOPE**

Describe relevant benefits, objectives, and goals and how they relate to corporate goals and strategies.

## **DOCUMENT CONVENTIONS**

Describe any naming or structural conventions employed throughout document and how they benefit reader.

## **REFERENCES**

List any referenced document names with descriptions or links.

## Botanical Origin

- **Shellac** is a resin secreted by the female lac bug, on trees in the forests of India and Thailand. It is processed and sold as dry flakes (pictured) and dissolved in alcohol to make liquid **shellac**, which is used as a brush-on colorant, food glaze and wood finish.

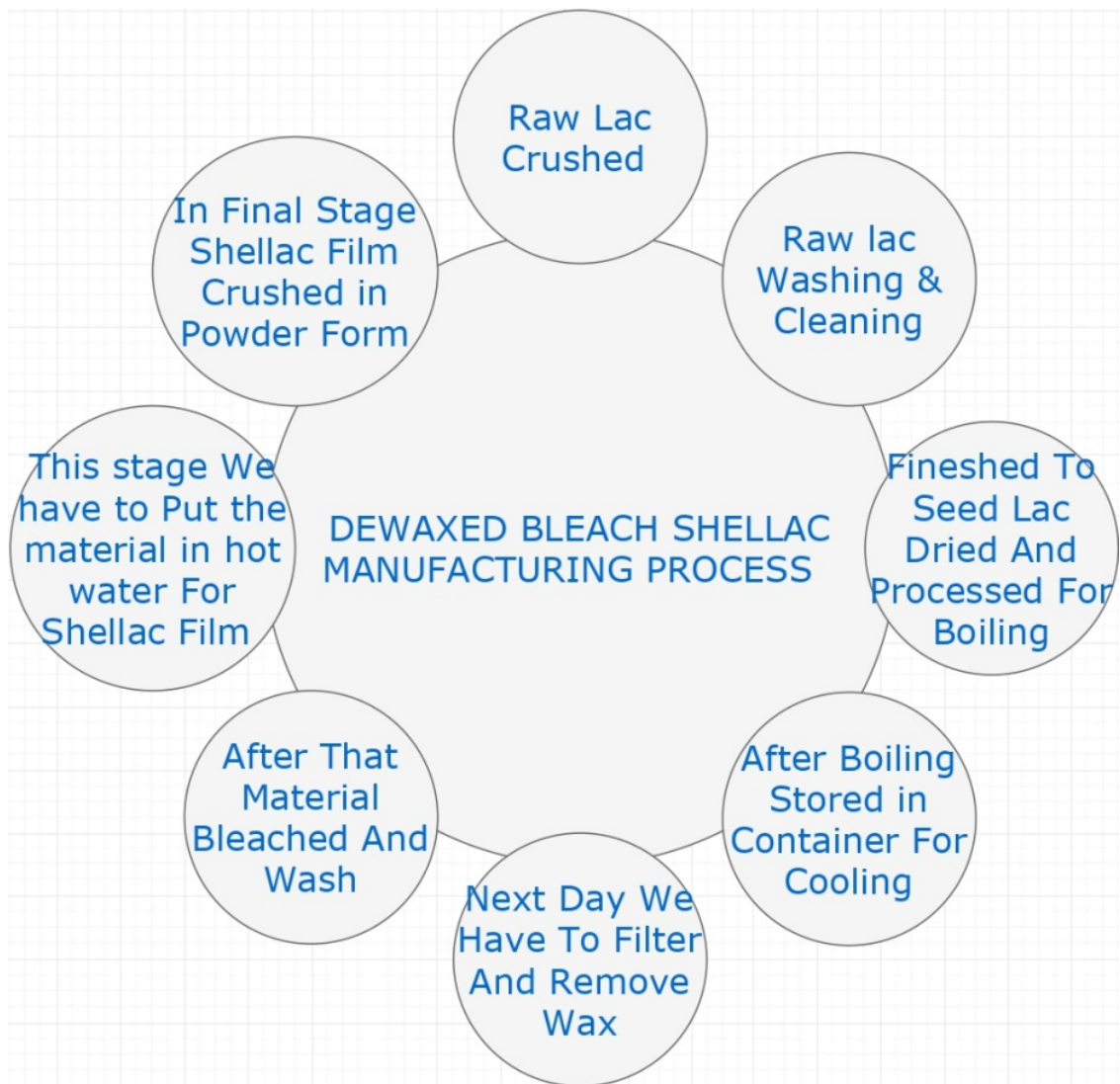
## Species

- [\*Kerria lacca\*](#) – the true lac scale
- [\*Paratachardina decorella\*](#) – the rosette lac scale
- [\*Paratachardina pseudolobata\*](#) – the lobate lac scale

## Availability

1. Kusmi – Nov-Dec
2. Baisakhi – Apl-May
3. Jethva – June-July

# The Manufacturing Process



## All classifications relevant for your product

Essential oils, gums, resins, extracts and other natural ingredients have diverse applications in a many different industries (e.g. food additives, cosmetics and aromatherapy). These industries use different classification systems to identify their products.

In a TDS for natural ingredients (Wax & Shellac), you should use the sector classifications listed below:

All food additives, except for flavourings	The European food industry uses E-numbers to identify food additives. The European numbering scheme follows that of the International Numbering System (INS) of Codex Alimentarius. Every approved food additive in Europe has an E-number.
For example: gums (thickeners), waxes (glazing agents), paprika oleoresin (colouring matter)	For example, E 414 is gum Arabic, E 901 is beeswax E 904 is Shellac. You can find a complete list of E-numbers in <a href="#">European Regulation 1129/2011</a> .

### **Dewaxed Bleach Shellac**

**CAS Number: 9000-59-3**

**EINECS Number: 232-549-9**

**HS Code: 13019099**

# Certificate of Analysis



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## Italab Private Limited

INDUSTRIAL TESTING & ANALYTICAL LABORATORIES

Regd. off.: Meher House, 6th Floor, 15, Cawasji Patel Street, Fort, Mumbai - 400 001.

Tel.: 022 - 4333 3888, 022 - 2287 4096 • Fax.: 022 - 2801 9800

E-mail : inquiry@italabs.in • Web : www.italabs.in

### CERTIFICATE OF ANALYSIS

Sample Not  
Drawn By ITALAB

#### 1. Particulars of Sample Submitted

Certificate No. : 032341



Certificate Date : 22/3/2019

Client Name : Shri Balaji Shellac Product  
Khrikitoia, Road Gram-Soram,  
Dist.-Dhamtari Chhattisgarh  
493773  
CG IN

Client Master No : C013970

Quantity Received : 200 gms

Packing : Plastic Bag

Sample Name : Dewaxed Bleached Shellac (Powder)

Letter Ref. No. : SRS DT:19.03.2019

Sample Receive Date : 19/3/2019

Marks : --

#### 2. Result of Analysis :

Parameter Name	Result	Unit
Moisture	1.99	%
Solubility	Insoluble in water, chloroform, a cetone: soluble in alcohol	
Acid Value	78.71	mg KOH/gm
Melting point	89.0	°C
Saponification Value	263.73	mg KOH/gm
Ester value	185.02	mg KOH/gm
Wax content	Not detected	
Ash	0.12	%

----- END OF REPORT -----

Test Carried Out By :

*Drashti*  
22/03/19

Drashti

Corp. Off. : Pharmed House, 5th Flr., 141, Walchand Hirachand Marg, Fort, Mumbai - 400 001. Chennai : Lotus Court, 3rd Floor, New 338, Old 165, Thambu Chetty Street, Chennai - 600 001.  
Mktg. Div. : 204, 2nd Floor, Sahyog Bldg., S.V.Road, Kandivali (West), Mumbai - 400 067. Kolkata : Mercantile Building, 10, Lal Bazaar Street, Kolkata - 700 001.

For Italab Private Limited

*M. Senthil*  
22/03/19

Authorised Signatory

Collection Centres : Ahmedabad, Bangalore, Hyderabad, New Delhi, Jaipur.



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Sr.No.: M 056868

# ISO STANDERED PRODUCT



## Certificate of Registration

(Quality Management System)

### QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Quality Management System of

## SHRI BALAJI SHELLAC PRODUCT

VILL- SORAM, DHAMTARI- 493773, CHHATTISGARH (INDIA)

Has been found to be of the Quality Management System Standard

### ISO 9001:2015

This certificate is valid for the following product or service range

**MANUFACTURER & EXPORTER OF REFINED DEWAXED BLEACH SHELLAC, REGULAR BLEACH SHELLAC, SEEDLAC & SHELLAC BUTTON LAC.**

Certificate Number: **IS/19035A/838**

Initial Date of Certification: **22.03.2019**

Date of Certificate: **22.03.2019**

Date of Expiry: **21.03.2022**

1st Surv. Due on: **21.02.2020**

2nd Surv. Due on: **21.02.2021**

Director:

A handwritten signature in black ink.

Date: **22.03.2019**



The validity of certificate is subject to regular surveillance audit on or before above mentioned dates and its only valid after successful surveillance with continuation letter issued by QFS. It is issued subject to the continued availability of access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard name d above and QFS terms and conditions.

### QFS MANAGEMENT SYSTEMS LLP

A-27/H, Sector-16, Noida-201301, U.P., India

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email: [admin@qfscerts.com](mailto:admin@qfscerts.com)

This Certificate remains the property of QFS



# Storage Conditions

What are the storage conditions?      Store in a dry cool place away from sunlight

What is the product's Shelf life?      Shelf life: Use before 6 months  
For 6 month life store under 10 degree

## Potential Applications

### Industrial uses of Dewaxed Bleached Shellac :

- Coating of fruits and vegetables
- Coating in tablets & capsules
- Coating in confectionary
- Coating in aluminium foil, paper
- Coating in cosmetic industry
- Bleached shellac is also widely used in the following industry:
- Paints (primer for plastic parts and plastic film)
- Aluminium industry (primer for aluminium and aluminium foils)
- Flexographic and roto gravure printing inks
- Pharmaceuticals (for coating of pills, tables and gel caps, making barrier coat for Vitamins, coating for controlled release preparation)
- Confectionery (in coating of confections, chewing gums, marzipan chocolates, nutties, jelly beans etc)
- Coating of coffee beans
- Binder for food marking inks and stamping inks
- Binder for egg coating
- Barrier coating for processed food
- Vegetable/food coating of oranges, lemons, apples, avocados, plants tomatoes, dry flowers etc.
- In textiles --used in textile auxiliaries, felt hat stiffening agents)
- Cosmetics--hair spray, hair lacquers, hair sampoops

