

**AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**  
**VINAYAKA MISSIONS RESEARCH FOUNDATION**  
**(DEEMED TO BE UNIVERSITY)**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**INDUSTRIAL VISIT REPORT**

**26.02.2019**

Faculty members:

Dr. R. Subbaiya, Associate Professor

Dr. G. Karthigadevi, Assistant Professor

Students: 40 members of second, third and fourth year

**Overview of the Company:** Softgel Healthcare provides Outsourcing Solutions to the Pharmaceuticals and Neutraceuticals industry. The company, an associate of the reputed Madras Pharmaceuticals, and has recently set up its state of art and dedicated encapsulation facility for manufacture of soft gelatin capsules.

Softgel Healthcare provides quality products and services that meet National and International Standards. The facility has been designed as per the latest regulatory standards and will undergo audits by several reputed regulatory approvals.

**Industrial visit**

**Introduction:**

On 26.02.2019 we have started the Industrial Visit for Soft gel health care industry and by 10 am we reached the Industry with warm welcome by Mr.Nedumaran HR of Softgel and the students were segregated into 4 batches.

1<sup>st</sup> Batch went to Production Department

2<sup>nd</sup> Batch went to Quality Control

3<sup>rd</sup> Batch went to Warehouse

4<sup>th</sup> Batch went to Finished Goods

And the batches were came as a cycle and visited all the areas

**Production:** Production department in-charge Mr.Vijayakumar has taken the students into production area and given the detail knowledge about the production of capsules. In the raw material area was covered with full protection and it was consist of the containers for preserving the raw material such as gel and soyabean oil raw material area is covered by HEPA filter.

With the help of gel and soyabean oil the gel is prepared and transferred to next cabin for producing the capsules. There are different types of instruments are present making the raw material instruments like triller, dryer, cutter are present which are made in Korea and Japan. Packer machine will is the industry where capsules are being produced. After the production of capsule the size of the capsule is checked and it will be selected based on that it will be send to the market and the lower size are send to rejected area.

**Packaging:**

Primary package is only through machines, its contains

Blister

Thermoprinter

Autocottoner

Sealing machine

Secondary packaging involves the human power, for the purpose of packing, which consist of cotton, insert, strip. It can be PVC, Amper , Opaque . mainlypolyempoil is used for packing. The packing always happens as per the wish of the customer, so that the pack may consist of 7 pack 2 pack 10pack. Sometimes instead of cotton the strips are kept in bottle which are known as bottle packaging. All the process for coverage is comes under GMP. An weighing machine is present to weigh the shiper(45kg max) finally. Earlier polymer stereo were used for printing purpose. Some of the capsules which are produced in softgel are namely Vagimilt, Neurobioin, Dolocheck plus, Complejo b, Normskin 20.

**Warehouse:**

Raw material receiving bay

Raw material vacuum cleaner mainly for dedusting, barrels have being washed through cloth. Temperature should be controlled at this place. It may consist of weighing balance 2-296kg and 2-27kg. Then the material are kept in the Quarantine area. Sampling area material entry which should be maintain the room temperature. Here the rejected area is present where the unwanted materials are collected by the instrument. Then approved materials are kept in barrels which are labelled in green, then these material are taken to the production area for final packing.

### **Finished Goods:**

In this area the Palletation (full covering) of the shiper material takes place at the temperature of 25°C and Rh is also maintained. For air packing Thermal blanket have been used to prevent the damage during travel.

The complete production of capsule involves the following steps:

Warehouse(raw material)

Production

QC(quality control)

Packaging

Primary

Secondary

Finish Goods



