



DHINU SIVASANKARAN NAIR

PROFESSIONAL SUMMARY

Chemical engineer with Experience in Production and Process control in manufacturing facilities of various phytochemical manufacturing units, extraction, separation, catalytic reactions, refining and other manufacturing industries with hands on SAP, ERP, Food safety, Hygiene, GMP etc in FMCG sectors. HACCP Level 3 Food Safety in Manufacturing (Highfield - RQF) certified with Distinction.

SKILLS

- HACCP
- ERP
- Lean Manufacturing
- Deadline Oriented
- Production Reporting
- Teamwork and Collaboration
- Time Management
- Food Safety
- Hygiene
- 5S
- Risk Assessment
- SAP
- Total Productive Maintenance (TPM)
- Process Control
- Quality Control Standards
- Schedule Coordination
- Problem Solving
- Multitasking
- Hygiene
- Food Quality
- Line Safety Map Updation

WORK HISTORY

PRODUCTION INCHARGE 12/2015 to Current

Nestle Middle East Manufacturing LLC, Dubai, United Arab Emirates.

- Ensure all quality measures are in place and Filling & packing sections meet the Daily Production plans.
- Member of TPM in Pilot Line.
- As a TPM/NCE Member to take initiatives in log sheet evaluation, development of 5s auditing, Loss tree analysis, 5 COD, Work point analysis (WPA) and other measures.
- Resolve quality issues together with Quality department, initiates structural problem solving of quality issues.
- HACCP Level 3 in Food Safety in Manufacturing (RQF) Highfield Certified
- Knowledge in HACCP, CCP, Food Safety & Food Quality, GMP etc.
- To meet all Safety, Health, Quality and Environmental standards when performing job duties.
- Trainings on Food safety & Occupational Health & Safety.
- Defining and performing HACCP plan.
- Team player in Corporate HACCP team.

ASSISTANT PRODUCTION MANAGER 07/2012 to 11/2015

Arjuna Natural Extracts (P) Limited, Kochi, Kerala

- Extraction of Phytochemicals from natural resources of Spices & herbals by acid-base reaction and catalytic separation processes.
- Extraction of Hydroxy citric acid, neutralizing & converting to salt and purification.
- Processing using extractors, reactors, membrane filter press, Fluid bed dryers, Flash Dryer, Spray dryers, Granulators, Blenders, etc.
- To quantify and blend upon concentration of HCA on behalf of HPLC.
- To ensure maximum yield & quality of the products.
- To meet the process quality parameters. Experience in handling spray dryer, Spin Flash Dryer, Fluidized bed dryer, Extractors, Distillation column etc.
- To ensure timely facilitation from other departments so that the objectives are met.
- Ensuring timely dispatch of quality products as per each consignment and their specs.
- In Charge of SAP (Business One).

PRODUCTION ENGINEER 07/2009 to 06/2012

Parisons Foods (P) Limited, Calicut, Kerala

- Physical and Chemical refining of Palm oil to produce Palm Stearin and Palm Olein.
- Degumming, Bleaching, Filtration, Deodorisation, Fractionation etc.
- Evaluating Shift and daily production, quality of each batch produced.
- Evaluating Free Fatty Acid.

TRAINEE 10/2008 to 10/2008

Hindustan Organic Chemicals Limited (HOCL), Kochi, Kerala

- **Production of Phenol, Cumene, Acetone & Hydrogen peroxide** from Liquefied Petroleum Gas (LPG) by means of propylene recovery, oxidation, Evaporation, Cleaving, Extraction, fractionation, Hydrogenation.
- The Phenol plant is designed by Engineers India Limited to produce two grade of propylene Viz. Lean propylene of 75% purity suitable for the production of Cumene and Chemical grade propylene of 95% purity.
- Fractionation section - This section mainly consists of six columns to separate and purify phenol and acetone and to recover Cumene and AlphaMethylStyrene (AMS).
- Hydrogenation Section - The alphasethylstyrene (AMS) is hydrogenated back to Cumene. The reaction is carried out over a fixed bed of catalyst.
- Hydrogen peroxide plant - This plant is based on UHDE's Ethyl Anthraquinone process 2-Ethyl anthraquinone (2-EAQ) the effective reactive component is dissolved in mixture of solvent called working solution. It is reduced by hydrogenation using palladium catalyst in the first step and further oxidized to generate Hydrogen peroxide and spring back 2-EAQ. The hydrogen peroxide generated is extracted from the working solution using demineralised water. The working solution is recycled back to the hydrogenator and the above - mentioned reactions are carried out repeatedly. The weak hydrogen peroxide (35% concentration) is subjected to vacuum distillation to increase the strength to 50% or 70% as per the requirement. A small portion of working solution prior to hydrogenation is subjected to chemical treatment to remove or control the accumulation of side reacted products.

TRAINEE 09/2004 to 09/2004

Bharat Petroleum Corporation Limited (BPCL), Coimbatore, Tamilnadu

- LPG bottling plant. Detailed study of Pressure testing, Leakage Testing etc. The basic operations undertaken in the filling plant and maintenance areas e.g. cylinder inspection, cylinder filling, leak testing, checks to ensure no overfilling, cylinder evacuation and vapour recovery, valving, cylinder requalification, maintenance and repair of cylinders, grit blasting, painting, etc.

EDUCATION

St Michael College of Engineering & Technology, Madurai, Tamilnadu

Bachelor of Technology, Chemical Engineering, 06/2009.

With First Class – 70%.

National Institute of Fire Engineering, Palakkad, Kerala

Advanced Diploma, Fire and Safety Engineering, 2006

With 80%.

Nandha Polytechnic College, Erode, Tamilnadu

Diploma, Petrochemical Engineering, 05/2005

With 60%.

LANGUAGES

English

Hindi

Malayalam

Tamil

PERSONAL DETAILS

Date of Birth: 30/07/1985

Nationality: Indian

Marital Status: Married

Visa Status: Residence

Driving License: Yes

CERTIFICATIONS

HACCP Level 3 in Food Safety in Manufacturing, Highfield, RQF with Distinction.

DECLARATION:

The above given details in this resume is are true and accurate to the best of my knowledge.