



ARNAB DUTTA

FORMULATION CHEMIST

PROFILE

A competent professional with 1 year's of experience as FORMULATION CHEMIST in R&D, having knowledge of synthesis of latexes, Paint Formulation and properties, want to secure a responsible career opportunities to completely utilize my analytical skills, technical leaning knowledge and skills while making significant contribution to the success of the company

EXPERIENCE

July,2022-Present

SOLVAY SPECIALITY CHEMICALS, FORMULATION CHEMIST

Currently handling the evaluation of paint film property of exterior paint application

- Experienced in paint formulation
- Experienced in paint batches making and roperties testing
- knowledge of paint additives evaluation
- Having knowledge of paint Raw Materials and it's chemistry and Testing of raw materials

Currently associated with different Surfactants and different Monomers for improving certain properties for exterior coating

- Hand on experience in synthesis of latexes
- Hand on experience in setting reaction batches upto 1lit.
- Have good knowledge about initial characterization of latexes
- synthesis of waterbased acrylic latexes by different method
Evaluation of different types of surfactants, different types of monomers variation in acrylic latexes
- synthesis of Water based additivesfor exterior coating to improve certain properties like DIRT PICKUP RESISTANCE, IMPROVING HARDNESS, BLOCK RESISTANCE.

August 2021- September 2021

WEILBURGER COATINGS (INDIA) PVT LTD

- Have associated as a intern trainee, Experience in quality Control, paint development, Non-Stick coating testing techniques.

KEY RESPONSIBILITIES

- Data Analysis
- Lab chemical stock maintain,
- 5'S champion ,
- conduct Safety Audit
- Quality and R&D activities
- Customer service

CO-CURRICULAR ACTIVITY

- Stood 1st in 23 rd International Chemiquiz organized by PRESIDENCY UNIVERSITY.
- Achieved SWAMI VIVEKANAND MERIT CUM SCHOLARSHIP
- Participated in one day National conference on "ENGINEERING OF POLYMERS : INDUSTRIAL PERSPECTIVE" held at University of Calcutta On 10th feb,2020
- HOBBIES- Playing cricket, Digital painting, Travelling

CONTACT

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EDUCATION

2022 **B.TECH (POLYMER SCIENCE) 8.85 CGPA**

University Of Calcutta

2019 **B.SC (CHEMISTRY HONS.) 69%**

University Of Calcutta

2016 **HIGHER SECONDARY (SCIENCE) 87%**

Makardah Bamasundari Institution, West Bengal

2014 **MADHYAMIK SECONDARY 89%**

Makardah Bamasundari Institution, West Bengal

SKILLS

- Thermal Analysis (DSC, TGA)
- Spectro photometric analysis (GC, FTIR)
- surface tention, Dynamic surface tention
- surface characterization (Hardness, Elongation, Contact angle)
- particle size analysis (zeta-sizer)
- MS Office, Excel
- Hardworking, Good listener, Trouble shooting problems
- Good communication skills (English, Hindi, Bengali)

Handeling instruments

- QUV (Accelerated Weathering Tester)
- Salt Spray
- Moisture Analyzer
- Dispersemill
- Minimum Film Forming thickness (MFFT)
- Julabo