

- **Mrs. Yogita Ashish Adate (M.Sc. Organic Chemistry)**

JN-3 / 3 / 1 Sector 9 Vashi,

Navi-Mumbai – 400703

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Contact: - **9967965278/9833626775**

Career Objectives:

Looking forward to a challenging career in an organization where I can sharpen my professional skills and experience and work at a position where my ability for innovative decision making could be tapped.

Area of interest:

- R&D -Process development, scale up and commercialization, formulation etc.
- API outsourcing and related activities.

Educational Qualification:

- **M.Sc. in (Organic Chemistry)** : - Higher Second class, April-2009 (Mumbai University)
- **B.Sc. (Chemistry)** : First class, May- 2007 (Mumbai University)

Total Experience: - 12 years.

Industrial Experience:

1) **Raptakos, Brett & company Ltd.**

R & D Executive from 02 January 2019 to till date.

- A) Method development and validation of Nutraceuticals and Pharmaceutical products.
- B) Preparation of Method validation protocols and Reports
- C) Analysis of Routine samples of Nutraceuticals products, GSk samples and Pharmaceutical products.
- D) Perform the analytical method transfer from R&D to QC.
- E) Preparation of analytical transfer protocol and report of various products.
- F) Prepare the method of analysis and certificate Of analysis of raw materials and finished products.
- G) Calibration of Balance, UV spectrophotometer, Photoflorometer, Flame photometer, HPLC, GC instruments.
- H) Prepare allocation of work

- I) Give presentation on different pharma related topics
- J) Training program arrange for trainers.
- K) Give work training to new people.
- L) Collect the analysis reports, review it and release on time.

M) Instruments Handled:

- 1) Waters HPLC with Empower 3 software, Shimadzu HPLC with lab solution software.
- 2) Shimadzu GC with ALS and Headspace with lab solution software.

2) Rubicon Research Pvt. Ltd

Analytical Research Development Officer from 01 June 2017 to 26th December 2018.

A) Instrument handled :

- 1) Shimadzu GC 2010 plus and Agilent GC with Headspace and FID detector.
- 2) Agilent, Shimadzu, Dionex HPLC with UV and RI detector.

B) Software Handled:

Lab solution, Chromeleon, Open lab chemstation

Job Profile:

- 1) Performance Qualification and Calibration of Gas chromatograph with FID and Head space.
- 2) Calibration of HPLC.
- 3) Method Evaluation of the different API projects using GC and HPLC.
- 4) Method development for Residual solvent by GC.
- 5) Partial validation of API by GC and HPLC.
- 6) Trouble shooting of the Gas chromatograph and HPLC.
- 7) Raw material, packing material analysis as per USP or Client method of analysis.
- 8) Analytical report generation of the related work.

3) Refinery R & D, Reliance Industries Ltd.

Lab Executive from June 2014 to 31st May 2017:-

Responsible for generating accurate, reproducible data and its reporting using ASTM or in-house developed methods for the following analytical techniques:

Job Profile:

- **2D G.C. with SCD, NCD detectors: Software : Open Lab Chemstation-Agilent**
Method development for speciation of sulfur and nitrogen compounds in various oil streams (70 – 590 °C like gasoline, diesel, vacuum gas oil, etc.) using SCD, NCD detectors using Chemiluminescence reaction carried out in reaction chamber in respective detectors.
- **HPLC with DAD, RID, ELSD detectors: Software: Open Lab Chemstation-Agilent**
Method development and analysis in petroleum fraction using DAD, RID, ELSD detectors in single or in series using portable switching valves.
- **HT-SIM-DIST: Software : Chromeleon 7 – Thermofisher Scientific.**
Simulated distillation is a GC method used to characterize petroleum fractions and products, since it permits the quick determination of their boiling range distribution. Samples are analyzed on a non-polar chromatographic column that separates the hydrocarbons in order of their boiling points.
- **Refinery Gas Analyzer: Software : Chromeleon 7 – Thermofisher scientific.**
Refinery Gas Analyzer (RGA) is a three-channel, two-detector system, providing a guaranteed analysis of He, O₂, N₂, CO, H₂S, CO₂ and C₁-C₆ hydrocarbons including olefins using a dual Thermal Conductivity Detector operating with independently-controlled helium and nitrogen carrier gas (TCD right / TCD left) and a Flame Ionization Detector (FID).
- **Total Sulfur / Total Nitrogen: Software : Multitek – PAC.**
Determination of Total Sulfur and Total Nitrogen ppm level concentration in petroleum fractions and products using Chemiluminescence reaction carried out in reaction chamber.
- **CHNS/O: Software: Vario macro - Elemental.**
The Basic principal of Quantitative CHNS/O analysis is High temperature combustion of Organic and Inorganic solid and liquid samples. The Gaseous

combustion products are purified and separated into their various components and then analyzed with suitable TCD detector.

Extra Responsibility:-

- Responsible for maintaining above said instruments in working condition by procurement, contacting vendors for AMC, etc.
- Undergone various lab, general safety training held at RIL
- Actively involved in maintaining safety related documents like MSDS, chemical inventory, chemical segregation based on their compatibility as part Of Local Operating Management system

4) *Sisco Research Laboratories Pvt. Ltd.*

As a R & D Chemist from August 2011 to May 2014

Job Profile:

- Nitration Reaction using nitrating mixture to formed 2, 6-Dichloro-3-Nitropyridine, 2-Hydroxy-5-Nitro-6-methylpyridine etc.
- Simple distillation, Vacuum distillation, Fractionation of various product
- Reaction monitoring by GC, HPLC
- Analyzed the Raw materials & Final products with the help of various titrations & Karl Fisher apparatus.
- Trouble shooting of different plant reaction samples.

5) *Jubilant Life Sciences Ltd:*

As a R&D Officer from September 2009 to August 2011

Job Profile:

- Chlorination of Pyridine derivatives to form the products, Such as 2-Chloropyridine, 2,6-DCP,2,3,5,6-TCP,2,3,4,5,6-PCP, Nitrapyrine etc.
- Bromination by using NaBr, Br₂ liquid to form products like 2-BP, 3-BP, 2, 6-DBP, 3-(2-Bromoacetyl) pyridine, 1-Bromodecane etc.
- All above reactions monitoring on GC, HPLC.
- Structural interpretation of products synthesized by using various techniques like TLC, M.P. etc.
- Analyzing the Raw materials & Final products with the help of various titrations & Karl Fisher apparatus.
- Handling reactions at the lowest moisture level.
- Purification of intermediate & final products.
- Documentation as per ISO 9001-2008

- Verification and validation of various products

Personal Profile:

Name : Mrs. YOGITA A. ADATE.
Date of Birth : 1ST April 1986.
Marital Status : Married.
Languages known : English, Hindi, Marathi

Particulars given above are true and correct to the best of my knowledge.

Date:

Yours Sincerely

Place:

(YOGITA A. ADATE.)