



Dusmanta Sahoo
Deputy Manager

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9 Years 1 Month of experience

PROFILE SUMMARY

Seasoned QA-QC and R&D professional with over 9 years of analytical experience in metals and fertilizers industries. Expertise in analytical method development, method validation, NABL 17025 compliance, measurement of uncertainty and in-house reference material preparation. Proven track record of implementing 5S and safety practices, driving cost reduction and improving laboratory accuracy. Strong team management skills with experience collaborating with R&D to deliver timely product development and process optimization.

WORK EXPERIENCE

Deputy Manager

Coromandel International
Feb 2022 - Present

- Lead quality assurance initiatives to ensure compliance with NABL 17025 and ISO standards.
- Provide analytical support to new product development trials and collaborate with R&D for testing.
- Develop and validate analytical methods for new product analysis.
- Implement 5S methodology and drive environment & safety sustainability in QA-QC laboratory.
- Manage team to ensure timely reporting and operational efficiency.
- Perform **RCA**, **CAPA** and monitor calibration and working conditions of critical instruments.
- Prepare and validate in-house reference materials and handle measurement of uncertainty.

Junior Officer

KEY SKILLS

- 5S Methodology
- Chemistry
- Team Management
- Research and Development
- Quality Control
- Quality Assurance
- NABL
- Method Development
- Analytical Method Validation
- Instrumentation Calibration
- RCA
- CAPA
- Measurement of Uncertainty
- In-house Reference Material Preparation

LANGUAGES

- English
- Hindi
- Telugu
- Odia
- Gujarati
- Bengali

HOBBIES

- Technical Blogging
- Laboratory Instrumentation
- Reading Scientific Journals

ACHIEVEMENTS

Laboratory Efficiency Improvement

Hindalco Industries Ltd.

Jan 2021 - Feb 2022

- Oversaw quality control and testing for copper manufacturing processes.
- Developed and validated analytical methods to strengthen product quality assurance.
- Supported R&D projects to ensure timely completion and process improvements.
- **Contributed to a 25% reduction in reporting time** by streamlining daily analytical operations.

Project Associate 1

CSIR-IMMT Bhubaneswar

Nov 2016 - Dec 2020

- Conducted research in materials development and characterization in multidisciplinary projects.
- Worked on recovery of metals (Al, REE, Fe, Mn, Cu, Ni, Co) using integrated hydro-pyro-electro metallurgical processes.
- Optimized conditions for aluminium recovery from bauxite and demonstrated selective gaseous reduction for Cu, Ni & Co recovery.
- Recovered Fe & Mn as FeSiMn and implemented methodologies that **improved laboratory testing accuracy by 15%**.

Implemented process improvements and analytical method changes that contributed to improved testing accuracy and faster reporting timelines.

★ EXTRA-CURRICULAR ACTIVITY

Research Projects

Participated in multidisciplinary research initiatives focused on metallurgical recovery processes and materials characterization during tenure at CSIR-IMMT.

EDUCATION

MS/M.Sc(Science) - Chemistry

2019

MPC College, Baripada

B.Sc - Chemistry

2014

Utkal University