

NATTAPART WORAKUN

CONTACT

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225/250 Chaengwattana rd. Luksi. Bangkok 10210

EDUCATION

KING MONGKUTS INTITUDE OF TECNOLOGY LADKRABANG

- Bachelor of Science
- GPA 3.09
- Former President of the Environmental Volunteer Club | Science Competition Participan

SKILLS & TOOLS

Laboratory & Analytical:

- Amino Acid Profile Analysis
- Protein, Moisture, Ash, TKN
- ISO/IEC 17025 QA/QC
- Method Validation & Verification

R&D & Formulation:

- Coated Fertilizer Formulation
- Experimental Design & Optimization
- Performance & Stability Testing

Digital & Automation:

- Excel VBA Automation
- AI-Assisted Programming
- Web & Inventory Application Development

PROFILE

Chemist with over 4 years of experience in analytical laboratory testing under ISO/IEC 17025 and current hands-on experience in Research & Development of coated fertilizer formulations. Highly specialized in Amino Acid Analysis with strong instrument ownership, troubleshooting, workflow planning, and laboratory automation using Excel VBA and AI-assisted development tools. Recognized as a key contributor in operational efficiency, cross-department adaptability, and R&D collaboration.

WORK EXPERIENCE

R&D Chemist – Green Agro (Nov 2025 – Present)

- Research and develop coated fertilizer formulations
- Design experiments to optimize coating performance and nutrient release
- Analyze formulation stability and performance
- Collaborate with production and technical teams for scale-up and improvement

Chemist – SGS Thailand, Rama 3 (Oct 2021 – Oct 2025)

- Primarily responsible for 2 Amino Acid Analyzers, handling approximately 40–50 samples per month
- Planned monthly analytical workload to ensure on-time delivery to customers
- Performed in-house troubleshooting, including software crashes, system freezes, reagent replacement, lamp changes, pressure drop investigation, tubing inspection, and air removal
- Conducted preventive maintenance to reduce downtime
- Supported the recovery of delayed work by reorganizing test sequences
- Collaborated with R&D teams for new customer onboarding and method adaptation
- Developed department-wide Excel VBA systems for real-time workload tracking and deadline alerts
- Enabled managers to monitor testing progress in real time

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SCAN TO PORTFOIO

WORK EXPERIENCE

Chemist – SGS Thailand, Rama 3 (Oct 2021 – Oct 2025)

- Rotated across General Lab and Pharmaceutical Lab, adapting quickly and improving workflows

Selected Projects

Automated Laboratory Workflow System (Excel VBA)

- Developed VBA tools used across the department
- Integrated task tracking, daily output logging, and deadline alerts
- Improved visibility, accuracy, and turnaround time
- Built web-based inventory and workflow applications using AI-assisted coding
- Applied tools to support operational efficiency and data organization

Inventory & Web Application Development

- Built web-based inventory and workflow applications using AI-assisted coding
- Applied tools to support operational efficiency and data organization