



Our Performance - Specialty Chemicals

MULTI-STEP SPECIALTY CHEMICALS

Situation: Client requested 500 gms of developmental compound within 15 weeks. Very preliminary information available on 5-step synthesis route

Week 1

- Formed a project team
- Conducted Risk Analysis & Feasibility study
- Initiated synthesis of 5 gms sample based on client's synthesis route

Week 2-7

- Procured raw materials
- Developed analytical methods
- Completed 5 gms synthesis
- Modified process and completed at 15 gms scale

Week 8-13

- 15 gms sample approved
- Scaled-up to 500 gms and sample sent to customer

MULTI-STEP SPECIALTY CHEMICALS

*Week
14-20*

- Dispatched 500 gms to customers upon sample approval
- Optimized input ratios and output norms
- Scaled up the process to 400 gms output
- Supplied nearly 2 kg to support application trials
- Provided dossier for regulatory registration

Resonance Delivered:

- Required quantity in 15 weeks (vs. 20 weeks) and additional quantity in another 5 weeks
- Delivered detailed documentation necessary for inclusion in regulatory registration
- Client requested two more syntheses from Resonance which were completed successfully

