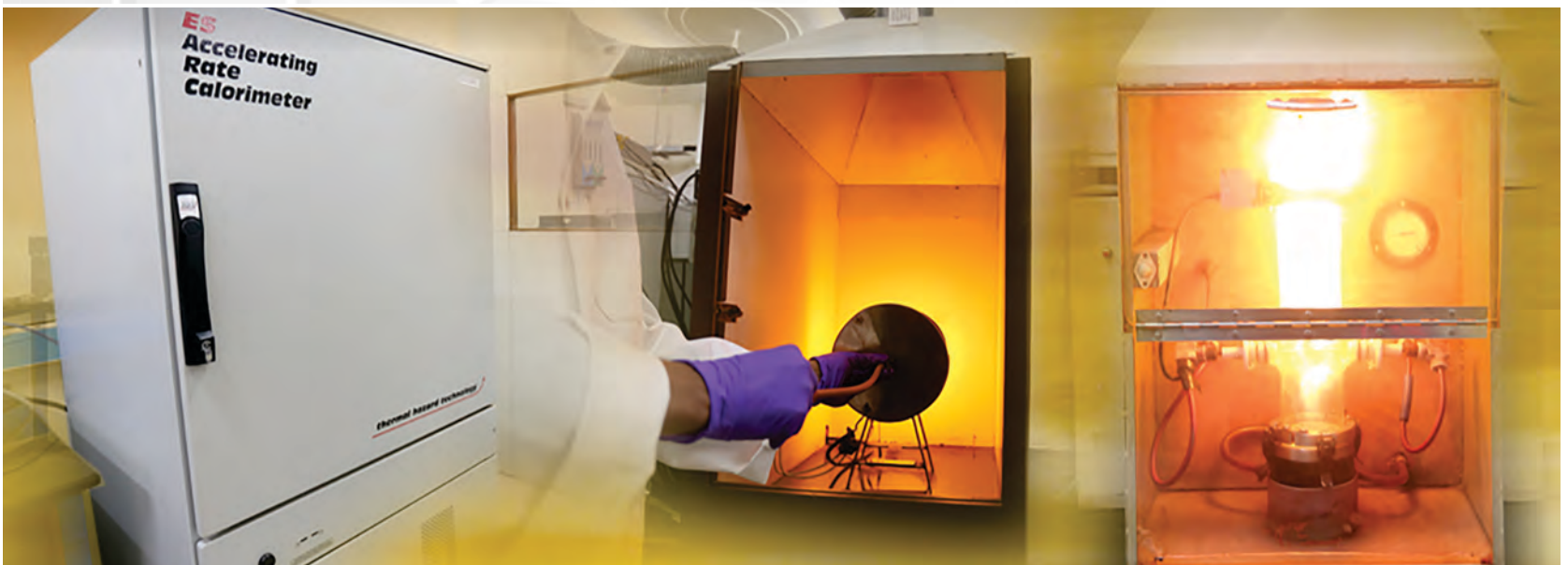


GVS Cibatech Pvt. Ltd.



Safety Services

Offering expert services to support your plant safety management and compliance processes



- **Process Safety and Thermal Stability Testing**
- **Consulting Services**
- **Compliance & Management Systems**
- **Powder Safety Testing**
- **Accident Investigation**
- **Safety Training**

Safety Services can collaborate on improving your plant efficiency, cost-effectiveness and safety

Based on decades of science and practice, our experience can help to determine the safety requirements and process controls needed to minimize the hazards associated with powder-handling and chemical manufacture. Cibatech draws upon several decades of experience in the pharmaceutical & specialty chemicals industry. Our technical know-how state of the art safety laboratory and highly qualified workforce are available to support your operational needs.

Our Instrumentation

The FIREX testing laboratory is accredited to ISO 17025 and has the complete set of test equipments to test for process and powder safety.

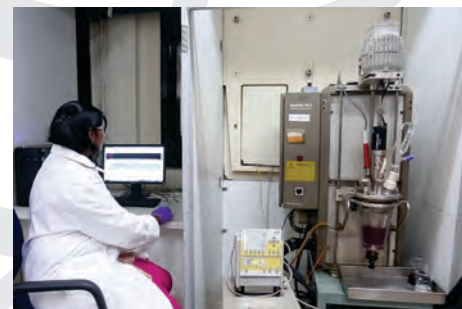
1. Reaction Calorimetry (RC1)
2. Differential Scanning Calorimetry (DSC)
3. Accelerating Rate Calorimeter (ARC)
4. Minimum Ignition Energy (MIE)
5. Dust Explosion Screening (Modified Hartmann tube)
6. Auto Ignition Temperature for dust cloud (BAM Oven)
7. Grewer Oven Test.
8. Dust Layer Ignition
9. Lutolf oven
10. Powder Resistivity
11. Particle Size Analyser.



Process Safety and Thermal Stability Testing

Safety Services provides process safety testing to define the characteristics of chemicals and their safe processing parameters.

- Kinetic and thermodynamic reaction data
- Thermal stability data
- Thermal stability indices and maximum rate data



Accident Investigation

Based on our practical and technical experience, Safety Services can work with you to determine the root cause of your incident and help develop preventative measures for the future.

Safety Training

Our training modules

• Managing Process & Powder Hazards	1 day
• PSM (Process Safety Management)	2 days
• Risk Analysis/ Hazop	2 days
• How to prepare GHS MSDS	1 day

We offer a wide range of safety training for chemists, engineers and operations personnel. From process safety to risk management and safety leadership training, let our experts guide your organization. Customized curricula are also available.

Combustible Dust Testing (Powder Safety)

Phase -I Screening Studies

- Burning Behavior
- Thermal Stability
- Auto Ignition Temperature
- Dust Explosivity
- Shock Sensitivity

Phase-II Advanced tests

- Deflagration
- Heat Accumulation
- Pmax KSt (Maximum Pressure Rise & ST Class)
- MEC (Minimum Explosive concentration)
- LOC (Limiting Oxygen Concentration)



We provide full-service, world class, complete explosion and process safety testing based on the latest ASTM and ISO standards. We can help improve your operational safety, from pneumatic transfer to bulk bag discharge. We advocate a phase wise approach to risk assessment of combustible dust.

For more information

- Call us +91-22-25961250
- Email: v.shivkumar@cibatech.com
- Visit our website www.cibatech.com

GVS Cibatech Pvt. Ltd.

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