

**Day 1: Introduction to API Q1 Standards** 1.1. Overview of API Q1 1.2. History and Evolution of API Q1 1.3. Importance of API Q1 in the Industry 1.4. Key Terminologies and Definitions 1.5. API Q1 Documentation and Certification

**Day 2: Quality Management in API Q1** 2.1. Quality Management System (QMS) 2.2. Q1 Requirements for Manufacturers 2.3. Q1 Auditing and Compliance 2.4. Corrective and Preventive Actions (CAPA) 2.5. Case Studies and Practical Applications

**Day 3: Risk Assessment and Product Control** 3.1. Risk-Based Thinking in API Q1 3.2. Product Design and Development 3.3. Material Selection and Traceability 3.4. Control of Non-Conforming Products 3.5. Root Cause Analysis and Continuous Improvement

**Day 4: API Q1 Documentation and Auditing** 4.1. Documentation Requirements 4.2. Internal and External Auditing 4.3. Management of Change (MOC) 4.4. Performance Metrics and Key Performance Indicators (KPIs) 4.5. Course Recap, Q&A Session, and Next Steps