

Internationally Accredited, Independent Testing Services

Hunt Valley, MD



Palatine, IL



Carthage, IL



Shanghai, China



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Trace Laboratories, Inc.

Why Product Qualification by Independent Party?

- Cost Savings/Avoidance
- Increase ROI on Projects
- Minimal or No cost to the organization
- Ensures and maintains the quality of product
- Reduces or eliminates internal incoming inspection testing
- Qualification of potential, new and existing suppliers
- Product tested in controlled unbiased environment
- Proven test methodology
- Maintaining confidentiality of product and test
- Reduces in-process analysis and repair
- Reduction in warranty returns
- Elimination of non-performing suppliers

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Types of Qualification

- Self Evaluation/Qualification
- Internal Supplier Quality (SQE)
- System/Product Test
- Warranty Returns

- Independent Third Party Qualification

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Trends in Industry

- Consolidation of Suppliers
- Passing Quality Requirements on to Suppliers
- Minimal or No Supplier Audits
- Testing for Counterfeit Products
- No Internal Incoming Inspection or Testing
- Independent Third Party Product Qualification

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Qualification Services

- Product Functionality
- Claims Verification – Parametric, Functionality.....etc
- Regulatory Requirements
- Dimensional
- Material Analysis
- Design Robustness
- Failure Mode Effect and Analysis - DFMEA, PFMEA
- Failure Mode, Effect and Criticality Assessment
- Durability Reliability
- Mean Time Between Failures (MTBF)
- Test to Failure
- Failure Analysis

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Independent Qualification

- Product tested to industry and/or customer specifications
- Product Audit on AQL and/or clients requested intervals
- 100% In-Process Test/Qualification
- Proprietary Product Test Plan Design
- Product Marking – Laser, Heat Stamp or InkJet
- Supply Chain Traceability
- Data Collection
- Data Analysis
- Real Live View of Test Data
- Global Support
- Unbiased Results

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Audit Deliverables

- Comprehensive Test Reports
- TIR - Issue Tracking
- Supplier Corrective Actions
- Supplier Audits
- Tester Design and Fabrication for End of Line Qualification

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End Result

- Customer Agent
- Reliable Durable Product
- Lower In-Process Rework
- Reduce Scrap
- Lower Warranty Returns
- Reduced Supplier Base
- Dependable Supplier Base
- Keeping the Supplier Honest
- Higher ROI
- **NO** Cost to You

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Trace Laboratories, Inc.



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