

THE QUALITY SYSTEM

REATEC® TEMPERATURE-INDICATORS
TEMPERATUR-INDIKATOREN

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THE QUALITY SYSTEM

REATEC AG apply a quality system in analogy with ISO 9003 / EN 29003 :

1 QUALITY POLICY

1.1 Quality policy objectives will be determined by the top management.

2 ORGANIZATION

2.1 Development and quality assurance will be the direct responsibility of the top management and will be constantly monitored by a member of the top management.

2.2 The top management will be advised by an officially recognized laboratory.

3 QUALITY SYSTEM

3.1 Purchasing

Product will only be purchased from suppliers who have their own quality systems or use another system to ensure that the specified requirements are satisfied.

3.2 Receiving inspection and testing will consist of:

1. Identity inspection
2. Purity inspection
3. Testing of physical properties

3.3. Measures taken during the production process will consist of:

1. After every chemical change: analyses in accordance with 3.2.
2. Before and after every production stage: identity test with a system of optical markers which will only be separated from the indicators at the point of final packaging.
3. Check on work progress.

4. 3.4 Final inspection and testing

The Temperature Indicators will be conducted and recorded in accordance with process instructions.

3.5 Final inspection and testing of any production batch will comprise the verification of

1. adherence to construction plans
2. completeness
3. tolerance of external dimensions
4. adhesive force with self-adhesive indicators
5. legibility of the print, completeness
6. centricity of the print and indicators
7. colour of indicator elements
8. reaction temperature, precision, tolerance, reaction time
9. colour of indicator elements after the reaction
10. with P quality: impermeability
11. abrasion resistance
12. protective paper: removability and tearing resistance

3.6 Testing methods and testing systems for the measurement of temperature

Reaction temperatures will be determined and tested by means of various systems that are independent of each other. These systems are based on different measuring methods

1. mercury thermometers
2. electronic thermometers
3. comparison on hot bench with substances of precisely defined melting points
4. thermo optical analysis recorded as a function of time
5. differential scanning calorimetry

3.7. Inspection, measuring and testing equipment

To be capable of furnishing evidence that the product has satisfied the specified quality requirements, inspection, measuring and testing equipment will be maintained constantly and calibrated periodically. Calibration processes will be recorded.

3.8 The inspection and test status will be constantly marked on the product

Non-conforming product will be subject to controls which guarantee reworking or immediate destruction. Reworked product will be resubjected to final inspection and testing.

After final inspection and testing, the product will be stored separately and in protected conditions.

Inspection, testing and analysis records will be kept in writing or on data carriers. In addition, batch samples will be retained.

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