Answels

a Thermal Battery is faited in lead

1) a) It a Tholmal Battery is faited in look Test. it is a Non-conforming product, and As 9,000 with some on in require the organization to take corrective action and preventive action.

The Relevant As 91001) clauser applicable in this cose are:

- 1. clause 8.7 control of Non conforming outputs
- 2. clause 10:2 Nonconformity and corrective Action
- 3. clause 8.5.1.2 validation and control of special

My. clause 8.4 - control of Externally provided process,
product and servicer

BEX

The Required pocuments is

- 1. Non-conformance Report (NCR)
- 2. consective Action Report
- 3. supplier peviation regulat
- 4. updated WI and process control pocuments
- b) The sequence of steps and WI / procedurer
  - 1. petertion and Reporting of Leak Failure
  - 2. Immediate containment Action
  - 3. RCA and Investigation
  - 4. corrective and prepartive action Implementation
  - 5. Review and validation of Leak Testing Process
  - 6. Final Approval and cloude closure

WI and procedurer correred!

\* Leok Test procedure pocument

of Material Review Board.

\* Non-combos mance Management

+ Root course Analysis and corrective Action.

c) Responsibility of Each step

Step

\* Leale test failure detected

\* Non-conformance pocument

# segres ation of peleutine
products

\* Root couse Analysis (RCA)

\* corrective Action Implement

\* Review of process changer

\* supplier communication

\* MRB approval for disposition

\* updating WI

\* Thaining on sevised

of clouses & final apploral

Responsible person ( Team

QC Inspector

QA Team

production supervisor

quality Engineer & process Engineer

manufacturing & quality ream

Engineering & QM

progrement & supplier quolity

MRB Members

process disineering ream

Thaining & quality Teams

quality manages & production Head

counterfeit parts can lead to

- + Product failure and safety risks
  - \* Increased rework and sexap
  - \* pelays in production schedules.
  - \* Damange to the organization's reputation.
  - \* Increosed costs due to recolls and replacements.
  - \* Legal Liabilitier

The clause for counterfeit part as per As 91000 is 8.14

a) + If a counterfeit part is found, the following peparments are responsible. Lex the

Procurement / purchasing: Rosponsible for supplier selection and

Qc/Inspection: Responsible for incoming inspection and

\* Engineering: Responsible for defining part requirements
and specification.

\* Moterial Management: Responsible for proper storage and Handling.

A SEAR

Actions to prevent counterfeit

\* Implement a gobust counterfeit parts prevention plan.

\* purchase parts from authorized distributors

\* perify supplied chedentials and Traceability

\* conduct the hough incoming inspections

\* maintain detailed necolds of part thaceability

\* provide thaining to personnel on cp awareness.

## Roler of purchase pepartment

- select and evaluate supplied based on their abaility
- Maintain supplied lists
- \* Negotiate contracts/ just address counterfeit part provention
- + Ensure po include clear requirements for tracebitality and authentication.

## Role of ac

\* peyelop and implement Inspection process to detect counterfeit ports

- \* utilize appropriate inspection equipment and Techniques
- \* Maintain Records of Inspection grasults
- + Isolate and quarantine suspented counterfeit parts

Role of toping Material management

\* Ensure proper sto stologe and Handling of Ports to maintalis Trace ability

\* control access to Inventory

### c) steps:

- \* Immediately notify the customer and relevant authoritien
- \* conduct a thorough investigation to determine the extent of
- \* Implement CA and PA (would but forms)
- \* provide replacement parts et produits au veressary
- \* maintain detailed Holds of the incident and cA

A change in new envisonmental pregulation impacts the use of specific chemicals in your Thermal Batterier must be integrated into the quality management system (qms) as Incorporating into QMS

Identify & Assen:

\* Analyze the regulation, determine its impart on your product and processer

\* update hisk assessments to reflect potential non-

update pocumentation:

\* perise relevant specification and your regulatory compliance mothix

of Integrate the negulation into your QMS.

## b) communication

supplials:

Inform suppliers of the ong election, neguest compliance do cum entation and update supplier agreements

custo mer

Notify auxomers of product process changer, provide updated specifications and address concerns

c) steps, Resposibilities and pocuments

\* steps

1. Rug what stry Analysis

2. Impact Assessment

3. Material (process change

9. pocumentation update

5. Supplied ( contoured communication

6. Thaining

7. Implementation ( Monitoring

7. Tutermal sudit

# Responsibilitier 1) TOP Management Envisonmental (cegal production 5) 6) quality Salir pocuments y Regulatory compliance matrice 2) Risk assessments 3) Revised specification/ procedure

- 4) constand notification
- 5) Thaining sended
- 6) Intelnal audit reports
- msps for new materials 7)

## 4 a) Responsible pepartment:

The primary responsible department is typically quality
Assurance | quality control, working closely with Englineding,
production and customer service.

sequence of steps

1. complaint reception and pocumentation

2). Initial Assessment and containment

s. Failure Analysis

4. consertine Action planning

5. Implementation of corrective Action

6. perification of Effectivenes,

### b) Analysi's:

1. conduct a detaited root course Analysis (ReA) using tools like 5 whys, Fishbone diagram etc.

2. Analyze manufacturing kerords, inspection data and test gasults

3. Evaluate the batterly's design, materials and manufacturing

4. consider Envisonmental fortels and usage conditions

### Risle considuation

1. Safety Risle

2. Financial Risk

3. Reputational Risks

4. Production Risic

5. Regulatory Risle

C) change to plettent the cultainer

\* Strengthen in coming material Inspection

4 Enhance process controls and monitoring

\* update manifesting placedurer and hIZ

Applicable classer is 8.7, 8.5.1, 8.3, 8.4, 8.5.2, 8.5.6, 10.2

Necessary pocuments

1. customes complaint form

2. Failure analysis preport

3. RCA Report

4. Thaining greates

choose the correct Answers

1) or

2) e

4) e

4) e