Oracle Process Manufacturing Quality Management Release 11*i*

Student Guide

14540GC10
Production 1.0
July 2000
M012161

ORACLE®

Authors

Kevin Brown

Technical Contributors and Reviewers

David Badger
Graceann Iannacchino
Frank Young
Richard Persen
William Stearns

Publisher

Shane Mattimoe

Copyright © Oracle Corporation, 2000. All rights reserved.

This documentation contains proprietary information of Oracle Corporation. It is provided under a license agreement containing restrictions on use and disclosure and is also protected by copyright law. Reverse engineering of the software is prohibited. If this documentation is delivered to a U.S. Government Agency of the Department of Defense, then it is delivered with Restricted Rights and the following legend is applicable:

Restricted Rights Legend

Use, duplication or disclosure by the Government is subject to restrictions for commercial computer software and shall be deemed to be Restricted Rights software under Federal law, as set forth in subparagraph (c)(1)(ii) of DFARS 252.227-7013, Rights in Technical Data and Computer Software (October 1988).

This material or any portion of it may not be copied in any form or by any means without the express prior written permission of Oracle Corporation. Any other copying is a violation of copyright law and may result in civil and/or criminal penalties.

If this documentation is delivered to a U.S. Government Agency not within the Department of Defense, then it is delivered with “Restricted Rights,” as defined in FAR 52.227-14, Rights in Data-General, including Alternate III (June 1987).

The information in this document is subject to change without notice. If you find any problems in the documentation, please report them in writing to Education Products, Oracle Corporation, 500 Oracle Parkway, Box SB-6, Redwood Shores, CA 94065. Oracle Corporation does not warrant that this document is error-free.

Oracle and all references to Oracle Products are trademarks or registered trademarks of Oracle Corporation.

All other products or company names are used for identification purposes only, and may be trademarks of their respective owners.

Contents

1 Oracle Process Manufacturing Quality Management Release 11*i*
Course Objectives 1-2
Agenda 1-3
OPM Overview and Integration 1-4
Quality Demands 1-5
Managing Multiple Quality Levels 1-6
Quality Management Features 1-7
Qualtiy Control Process 1-8
Specification Definitions 1-9
Item Specification Levels 1-10
Assay Measurement Product Characteristics 1-11
Features of Sample Control 1-12
Evaluating Test Results 1-13
Lot Status Defines Available Inventory 1-14
Grade Code Features 1-15
Hold Reason Codes 1-16
QC Action Codes 1-17
Agenda 1-18
Objectives 1-19
Setup Overview 1-20
Defining Quality Management Action Messages 1-21
Specifying Quality Management Grades 1-22
Defining Hold Reasons 1-23
Setting Up Lot Status Control 1-24
Defining Inventory Item QC Attributes 1-25
Review Question 1-26
Review Question Solution 1-27
Practice 1 1-28
Practice 1 Solution 1-29
Practice 2 Overview 1-30
Practice 2 Solution 1-31
Customer and Vendor Specifications 1-32
Defining Assay Units of Measure 1-33
Review Question 1-34
Review Question Solution 1-35
Review Question 1-36
Review Question Solution 1-37
Review Question 1-38
Review Question Solution 1-39
Defining Assays 1-40
Practice 3 Overview 1-42
Practice 3 Solution 1-43

Practice 4 Overview 1-44
Practice 4 Solution 1-45
Item and Location Specifications 1-47
Defining Item and Location Specifications 1-48
Customer and Vendor Specifications 1-49
Defining Customer and Vendor Specifications 1-50
Practice 5 Overview 1-51
Practice 5 Solution 1-52
Production Specifications 1-54
Defining Production Specifications 1-55
Practice 6 1-56
Practice 6 Solution 1-57
Topic Summary 1-58
Agenda 1-59
Objectives 1-60
Overview 1-61
Item and Location Required Analysis Report 1-62
Demonstration 1-63
Practice 7 Overview 1-64
Practice 7 Solution 1-65
Sampling Inventory 1-66
Sampling Inventory Materials 1-67
Practice 8 Overview 1-68
Practice 8 Solution 1-69
Sampling Customer or Vendor Items 1-70
Setting Up Customer or Vendor Samples 1-71
Sampling Production Batches 1-72
Setting up Production Sample Information 1-73
Practice 9 1-74
Practice 9 Solution 1-75
Topic Summary 1-76
Agenda 1-77
Objectives 1-78
Overview 1-79
Entering Quality Control Results from Inventory Samples 1-80
Sample Results Hierarchy 1-81
Entering Item and Location Results Information 1-82
Entering Assay Results Fields 1-83
Practice 10 1-84
Practice 10 Solutions 1-85

Entering Quality Control Results From Customer or Vendor Samples 1-87
Entering Customer or Vendor Results 1-88
Entering Quality Control Results from Production Samples 1-89
Entering Production Results 1-90
Practice 11 1-91
Practice 11 Solutions 1-92
Failed Testing Requires Changes to Lot Status or Grade 1-94
Lot Status Changes 1-95
QC Grade Changes 1-96
Entering Single Item QC Status and Grade Changes 1-97
Entering Mass Lot and Grade Changes 1-98
Practice 12 1-99
Practice 12 Solutions 1-100
Managing Expired Lots 1-101
Practice 13 Overview 1-102
Practice 13 Solutions 1-104
Topic Summary 1-106
Agenda 1-107
Objectives 1-108
Overview 1-109
Entering Item and Location Assay Results Report Information 1-110
Demonstration 1-111
Lot Genealogy 1-112
Topic Summary 1-114
Agenda 1-115
Objectives 1-116
Oracle Workflow: Overview 1-117
Routing Information 1-118
Sample Approval Workflow: Overview 1-119
OPM Quality Sample Approval Workflow 1-120
Sample Approval Workflow 1-121
Sample Creation Notification Workflow 1-122
Assay Testing Process Workflow 1-123
Sample Disposition Workflow 1-124
Role Association Activities 1-126
Implementation Considerations 1-127
Review Question 1-128
Review Question Solution 1-129
Review Question 1-130
Review Question Solution 1-131

Demonstration 1-132
Topic Summary 1-133
Course Summary 1-134

1

Oracle Process Manufacturing Quality Management Release 11*i*

Copyright © Oracle Corporation, 2000. All rights reserved.

ORACLE

Course Objectives

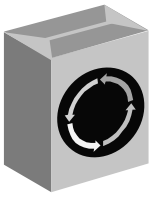
After completing this course, you should be able to do the following:

- **Control and communicate quality standards**
- **Identify objects for which specification definitions can be written**
- **Describe the application sampling control features**
- **Explain lot control features and functions**
- **Describe reports and inquiries**
- **Describe and set up OPM quality sample workflow**

Copyright © Oracle Corporation, 2000. All rights reserved.

Agenda

- Establishing OPM Quality Parameters
- Managing Quality Control Sampling
- Recording Quality Control Results
- Executing Quality Management Reports and Inquiries
- Describing Quality Sample Workflow



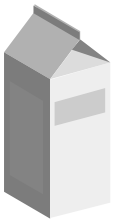
Oracle Process Manufacturing
Quality Management

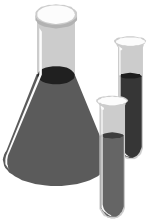
Copyright © Oracle Corporation, 2000. All rights reserved.

OPM Overview and Integration

Quality management for the process manufacturing industry

- **Financials**
- **Inventory**
- **Logistics**
- **Process execution**
- **Process planning**
- **Product development**
- **System administration**





Copyright © Oracle Corporation, 2000. All rights reserved.

Quality Demands

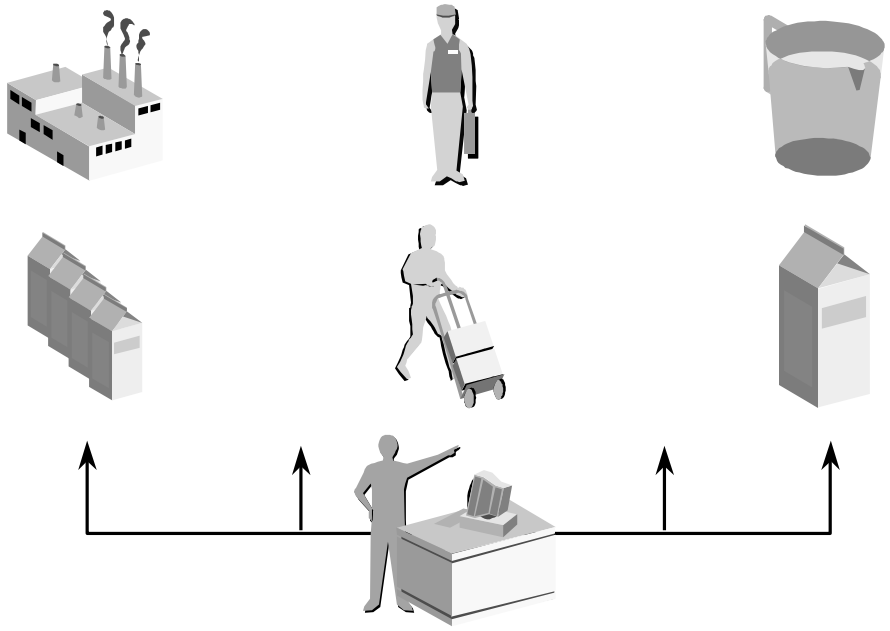
- **Product consistency**
- **Product tracking**
  - **Raw material received**
  - **Order shipping to customer**

Receiving

Shipping

Copyright © Oracle Corporation, 2000. All rights reserved.

Managing Multiple Quality Levels



Copyright © Oracle Corporation, 2000. All rights reserved.

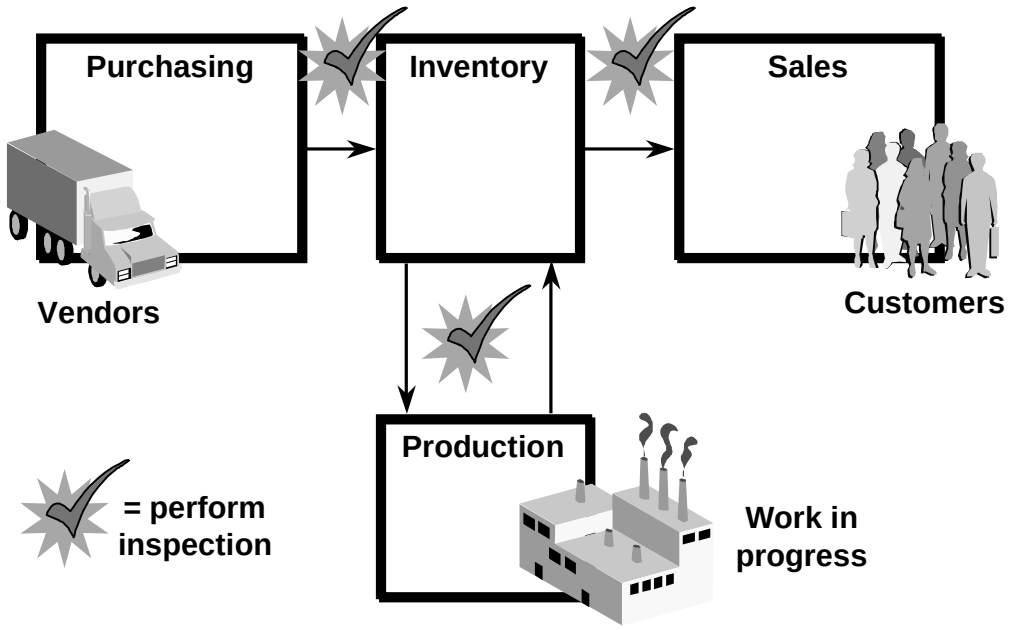
Quality Management Features

Using OPM Quality Management features you can:

- **Define specifications**
- **Identify assay requirements**
- **Identify sampling requirements**
- **Record quality control (QC) testing results**
- **Define inventory lot status**
- **Assign grade codes**
- **Trace materials**

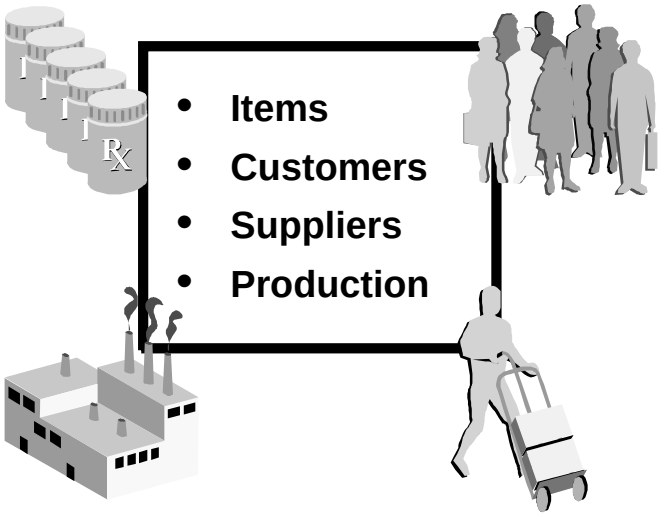
Copyright © Oracle Corporation, 2000. All rights reserved.
ORACLE

Quality Control Process



Copyright © Oracle Corporation, 2000. All rights reserved.

Specification Definitions



Copyright © Oracle Corporation, 2000. All rights reserved.

Item Specification Levels

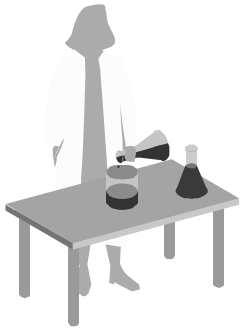
You can use specification levels to define tests to finite levels.

pH = 5.65 to 6.31

Copyright © Oracle Corporation, 2000. All rights reserved.

Assay Measurement Product Characteristics

- Saturation
- Temperature
- Viscosity
- Color
- Flavor



Copyright © Oracle Corporation, 2000. All rights reserved.

Features of Sample Control

- Product location
- Date and time of sampling
- Sampler identification
- Testing reference
- Variable tracking
- Association of results with sample
- Detailed traceability

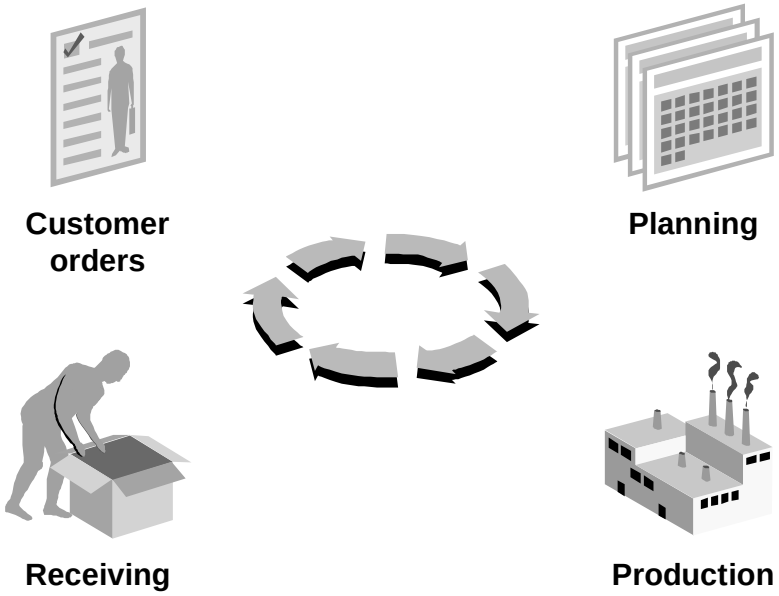
Copyright © Oracle Corporation, 2000. All rights reserved.
ORACLE

Evaluating Test Results

- **The Quality Management module evaluates results against targeted specifications.**
- **It allows repeated test results for the same assay.**
- **Text information can be added to results.**

Copyright © Oracle Corporation, 2000. All rights reserved.

Lot Status Defines Available Inventory



Copyright © Oracle Corporation, 2000. All rights reserved.

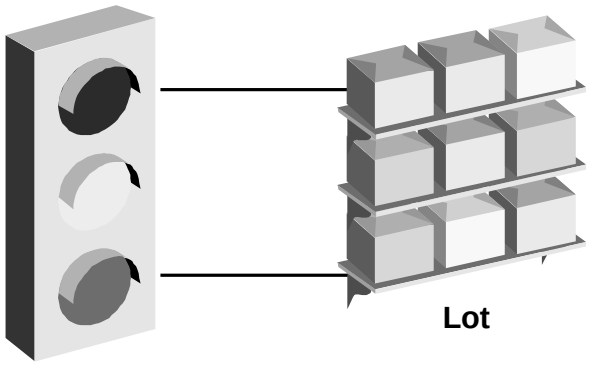
Grade Code Features

- **Default grade code assignment**
- **Capability to update calculation values for expiration and retest dates**
- **Customer-specific information in order processing**
- **Assignment and modification of lot grade codes**

Copyright © Oracle Corporation, 2000. All rights reserved.

Hold Reason Codes

You can assign hold reason codes for updating linkage to lot status codes.

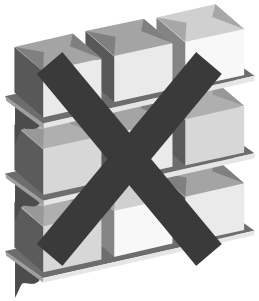


Hold reason code

Copyright © Oracle Corporation, 2000. All rights reserved.

QC Action Codes

You can use QC action codes for linking required activity for expired or out-of-spec material.

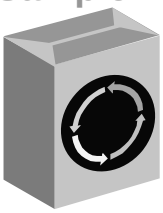


Expired or out-of-spec material

Copyright © Oracle Corporation, 2000. All rights reserved.

Agenda

- **Establishing OPM Quality Parameters**
- Managing Quality Control Sampling
- Recording Quality Control Results
- Executing Quality Management Reports and Inquiries
- Describing Quality Sample Workflow



Oracle Process Manufacturing
Quality Management

Copyright © Oracle Corporation, 2000. All rights reserved.

Objectives

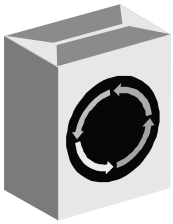
After completing this course topic, you should be able to do the following:

- **Define action messages**
- **Define Quality Management grades**
- **Specify units of measure**
- **Define assays**
- **Set up item and location specifications**
- **Set up customer and vendor details**
- **Set up production test information**

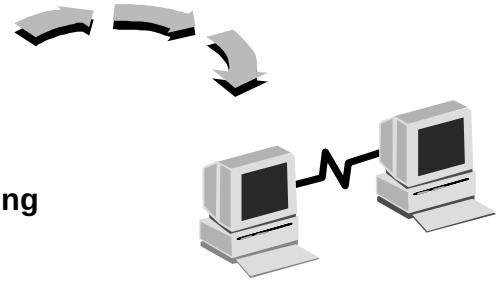
Copyright © Oracle Corporation, 2000. All rights reserved.

Setup Overview

Before implementing the Oracle Process Manufacturing Quality Management module, you must perform setup steps first.



Oracle Process Manufacturing Quality Management



Copyright © Oracle Corporation, 2000. All rights reserved.

Defining Quality Management Action Messages

Go to the Actions window to enter Action messages that you want to take for items that expire or do not meet quality control test specifications.

(N) OPM Product Development—>Quality Control—> Setup—>Actions

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Quality Control Setup—>Setting Up Action Codes

... —>Setting Up Action Codes Procedure

... —>Action Codes Field Reference

Navigation

N = Navigator

T = Tab

M = Menu

I = Icon

H = Hyperlink

B = Button

Help = Oracle Applications Help system

Specifying Quality Management Grades

Go to the Grades window to define the quality rating that you assign to lots in inventory for items and lot as part of the QC specifications.

(N) OPM Product Development—>Quality Control—>Setup—>Grades

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Quality Control Setup—>Setting Up QC Grades

... —>Setting Up QC Grades Procedure

... —>QC Grades Field Reference

Defining Hold Reasons

Go to the Hold Reasons window to define a reason for holding inventory items that have expired or failed a QC test.

(N) OPM Product Development—>Quality Control—> Setup—>Hold Reasons

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Quality Control Setup—>Setting Up QC Hold Reasons

... —>Setting Up QC Hold Reasons Procedure

... —>QC Hold Reasons Field Reference

Setting Up Lot Status Control

Go to the Lot Status window to identify the usability of lot-controlled material in production, order processing, or shipping.

(N) OPM Inventory—>OPM Inventory Control—> Setup—>Lot Status

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Quality Control Setup—>Setting Up Lot Status Control

... —>Setting Up Lot Status Control Procedure

... —>Lot Status Control Field Reference

Defining Inventory Item QC Attributes

Go to the Quality Control Window to set up inventory item QC attributes.

(N) OPM Inventory—>OPM Inventory Control—>Setup—>Item Master

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Quality Control Setup—>Setting Up Inventory Item QC Attributes

... —>Inventory Item QC Attributes Grade Control

... —>Setting Up Inventory Item QC Attributes Procedure

... —>Inventory Item QC Attributes Field Reference

Review Question

True or false question:
If a lot status code is defined with the Order Processing field set to Yes and the Rejected field set to Yes, the material is still available for allocation to sales orders, but not available for shipping.

True or false?

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question Solution

True or false question:
If a lot status code is defined with the Order processing field set to Yes and the Rejected field set to Yes, the material is still available for allocation to sales orders, but not available for shipping.

True or false?

Answer:

False.
The rejected indicator overrides all other indicators within the lot status definition; therefore, this lot status prevents allocation of a lot to a sales order even with the Order Processing field set to Yes.

Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 1

Lot status code scenario:
Jeanine, the QC manager, requests setup for a lot status code TEST to represent material on test after it is manufactured. She wants to prevent the material from being shipped to a customer until it is released from QC.

Suggest the lot status indicator configuration for nettable, order processing, production, shipping, and rejected to satisfy Jeanine's request.

Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 1 Solution

- **Lot status code scenario solution:**

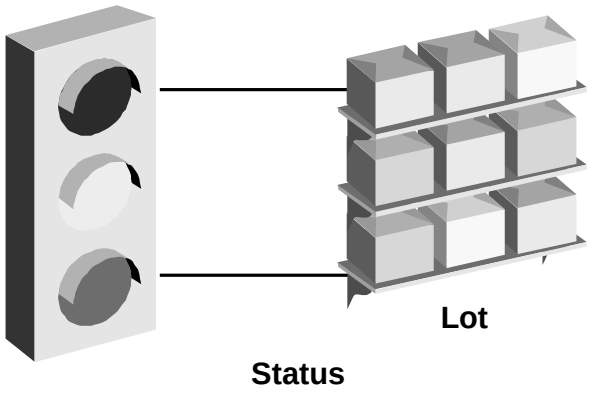
  Suggest the lot status indicator configuration for nettable, order processing, production, shipping, and rejected to satisfy Jeanine's request.

- **Parameter setup for lot status TEST:**
  - **Nettable: Yes**
  - **Order Processing: Yes**
  - **Production: No**
  - **Shipping: No**
  - **Rejected: No**

Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 2 Overview

This essay practice tests the understanding of lot status codes.



Copyright © Oracle Corporation, 2000. All rights reserved.

Mom's Cookie Company Scenario: Part 1

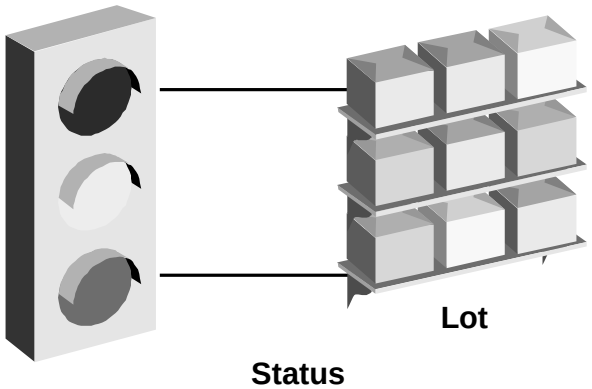
At Mom's Cookie Company, incoming rail cars of flour are inspected before they are received into inventory. Upon confirmation of the load, the flour is piped into a hold silo for storage. Each rail car is received into OPM as a single lot by warehouse personnel. Under current practices, everyone "just knows" that the flour in the hold silo is not available for production.

At the time of receipt, a sample is taken from the rail car for QC testing. The flour is not to be consumed by production until a QC release is given.

How would you recommend that the warehouse receiving and QC releasing activities be streamlined to provide better control of the hold and release events?

Practice 2 Solution

This essay practice tests the understanding of lot status codes.



Copyright © Oracle Corporation, 2000. All rights reserved.

Mom's Cookie Company Scenario: Part 1

At Mom's Cookie Company, incoming rail cars of flour are inspected before they are received into inventory. Upon confirmation of the load, the flour is piped into a hold silo for storage. Each rail car is received into OPM as a single lot by warehouse personnel. Under current practices, everyone "just knows" that the flour in the hold silo is not available for production.

At the time of receipt, a sample is taken from the rail car for QC testing. The flour is not to be consumed by production until a QC release is given.

How would you recommend that the warehouse receiving and QC releasing activities be streamlined to provide better control of the hold and release events?

Mom's Cookie Company Scenario: Part 1 Solution

Upon receipt, the flour should be automatically placed on hold through a default lot status. The hold lot status should be defined to prevent it from being consumed for production. The lot is visible in OPM with the hold lot status.

The QC department should be responsible for changing the lot status from hold to released so the lot can be used in production. The lot is visible in OPM with the released lot status.

Customer and Vendor Specifications

You can set up specifications for customer products or supplier material.

Customer

Supplier

Copyright © Oracle Corporation, 2000. All rights reserved.

Defining Assay Units of Measure

Go to the Units window to define the units in which to measure the QC tests that are performed.

(N) OPM Product Development—>Quality Control—> Setup—>Units

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Test Specifications Setup—>Setting Up QC Assay Units of Measure

... —>Setting Up QC Assay Units of Measure Procedure

... —>Units Field Reference

Review Question

Action messages identify actions to take related to inventory of items that:

1. **Expire**
2. **Do not meet quality control test specifications**
3. **Expire or do not meet quality control test specifications**
4. **Meet quality control test specifications**
5. **Expire and meet quality control test specifications**

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question Solution

Action messages identify actions to take related to inventory of items that:

1. Expire
2. Do not meet quality control test specifications
3. **Expire or do not meet quality control test specifications**
4. Meet quality control test specifications
5. Expire and meet quality control test specifications

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question

When a lot has expired or failed a QC test, a hold reason code can be used to:

1. **Indicate that it should not be sold.**
2. **Indicate that it should not be sold or used for production.**
3. **Indicate that it did not meet QC specifications.**
4. **Indicate that you entered out-of-spec results for an item.**
5. **Indicate that it should not be sold or used for production or that you entered out-of-spec results for an item.**

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question Solution

When a lot has expired or failed a QC test, a hold reason code can be used to:

1. **Indicate that it should not be sold.**
2. **Indicate that it should not be sold or used for production.**
3. **Indicate that it did not meet QC specifications.**
4. **Indicate that you entered out-of-spec results for an item.**
5. **Indicate that it should not be sold or used for production or that you entered out-of-spec results for an item.**

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question

Lot status control is required when applying:

1. **Action messages**
2. **Grades**
3. **Hold reason codes**
4. **Action messages, grades, or hold reason codes**
5. **Action messages or grades**

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question Solution

Lot status control is required when applying:

1. Action messages
2. Grades
3. Hold reason codes
4. **Action messages, grades, or hold reason codes**
5. Action messages or grades

Copyright © Oracle Corporation, 2000. All rights reserved.

Defining Assays

You need to define the attributes you plan to measure and record in quality control.

- **Color**
- **Flavor**
- **Saturation**
- **Viscosity**
- **Temperature**

Copyright © Oracle Corporation, 2000. All rights reserved.
ORACLE

Defining Assays

Go to the Assays window to define the tests to be made for items and lots. These measurements are called assays.

(N) OPM Product Development—>Quality Control—> Setup—>Assays

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Test Specifications Setup—>Setting Up Assay Types

... —>Setting Up Assay Types Procedure

... —>Assays Window Field Reference

Practice 3 Overview

This hands-on practice covers defining and setting up assay information.

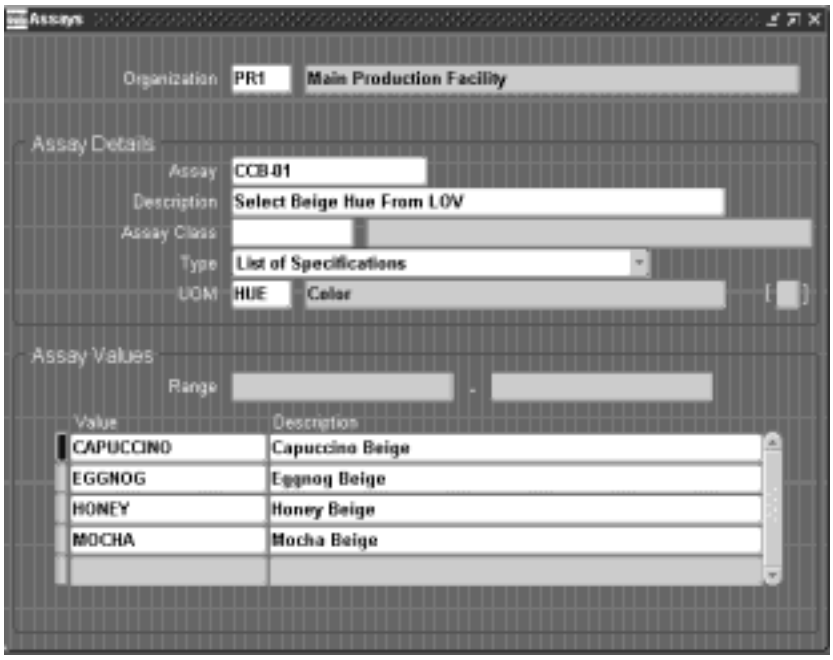
Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 3

Setting Up a List of Specification Assay

In your assigned organization, the ice cream for the vanillas production line needs to be tagged by lot based on hue. Set up an assay CCB-*XX*, where *XX* is your terminal number, that creates five hue values for the beige production line.

Practice 3 Solution



Copyright © Oracle Corporation, 2000. All rights reserved.

Setting Up a List of Specification Assay

In your assigned organization, the ice cream for the vanillas production line needs to be tagged by lot based on hue. Set up an assay CCB-*XX*, where *XX* is your terminal number, that creates five hue values for the beige production line.

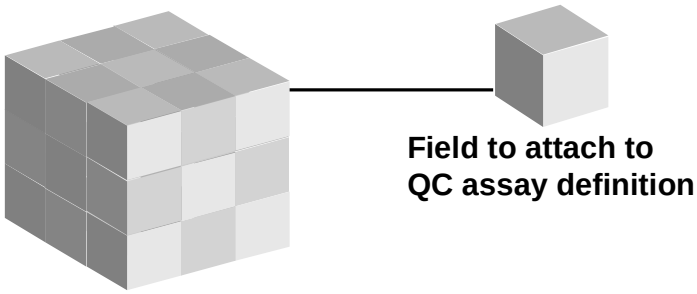
Practice 3 Solution

1. Open the Assays window:

   (N) OPM Product Development—>Quality Control—>Setup—>Assays
2. In the Assay Details region, enter the following information using your unique identifier:
   - Organization: Accept the default value
   - Assay: CCB-*XX*
   - Description: Enter an appropriate description.
   - Type: Select List of Specifications from the drop-down list of values.
   - UOM: Select HUE from the pop-up list of values. Click in the flexfield box, and enter a description flexfield in the Assay Information pop-up window.
3. In the Assay Values region, enter values and descriptions for several shades of beige.
4. Save your work.

Practice 4 Overview

This essay practice covers customizing assay definitions.



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 4

Mom's Cookie Company Scenario: Part 2

Based on the scenario discussion in practice 2, incoming rail cars of flour at Mom's Cookie Company are automatically placed on hold by way of a default lot status. How would this setup look in the OPM?

What must occur before the flour is available for production allocation in OPM?

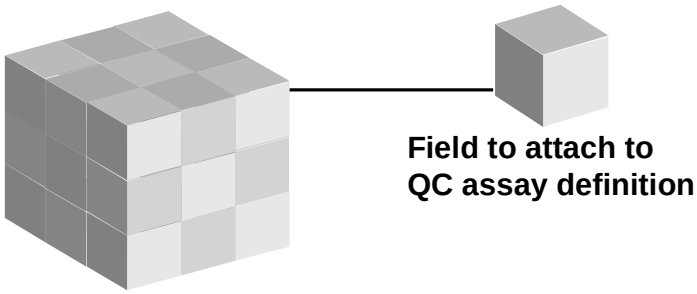
QC Assay Definitions Scenario

A specialty chemical manufacturer is defining assay codes for use in production. The QC lab manager would like some way to attach a field to the QC assay definition that would store the company's general ISO 9000 procedure number as a reference for performing the assay.

What is your recommendation on how this could be accomplished without customization to the QC Assay window?

Practice 4 Solution

This essay practice covers customizing assay definitions.



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 4 Solutions

Mom's Cookie Company Scenario: Part 2

Based on the scenario discussion in practice 2, incoming rail cars of flour at Mom's Cookie Company are automatically placed on hold by way of a default lot status. How would this setup look in OPM?

What must occur before the flour is available for production allocation in OPM?

Solution

Flour Item Setup

Lot Control: Yes

Status Control: Yes

Lot Status Production flag: No

Action to transfer the lot from hold status to good status:

Quality control must perform a status change to transfer the lot from hold status to good status, where good is defined with the Production flag set to Yes.

Practice 4 Solutions (continued)

QC Assay Definitions Scenario

A specialty chemical manufacturer is defining assay codes for use in production. The QC lab manager would like some way to attach a field to the QC assay definition that would store the company's general ISO 9000 procedure number as a reference for performing the assay.

What is your recommendation on how this could be accomplished without customization to the QC Assay window?

Solution

Create a user-defined field to capture the ISO 9000 procedure number in OPM systems setup.

Table: qc_assay typ

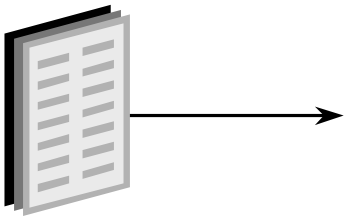
Field Name: user_class1

Define a field name: ISO#:

Validation Indicator: No

Item and Location Specifications

You can define specifications for any item or location.



- **Assay**
- **Target specification**
- **Preference**
- **Date range**
- **Acceptable values**
- **Out-of-spec action**

Copyright © Oracle Corporation, 2000. All rights reserved.

Defining Item and Location Specifications

Go to the Item/Location Specifications window to set up item and location information.

(N) OPM Product Development—>Quality Control—> Specifications—>Item/Location

Copyright © Oracle Corporation, 2000. All rights reserved.

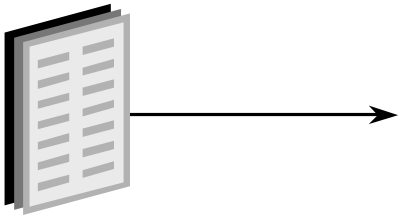
(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Test Specifications Setup—>Setting Up QC Item/Location Specifications

... —>Setting Up QC Item/Location Specifications Procedure

... —>Item/Location Specifications Field Reference

Customer and Vendor Specifications

You can define the specifications for a customer's products or for a supplier's materials.



- **Multiple specifications**
- **Target specification**
- **Date range specification**
- **Acceptable values**
- **Out-of-spec action**

Copyright © Oracle Corporation, 2000. All rights reserved.

Defining Customer and Vendor Specifications

Go to the Customer/Vendor Specifications window to define specifications for a particular customer's products or for a particular supplier's materials.

(N) OPM Product Development—>Quality Control—> Specifications—>Cust/Vend

Copyright © Oracle Corporation, 2000. All rights reserved.

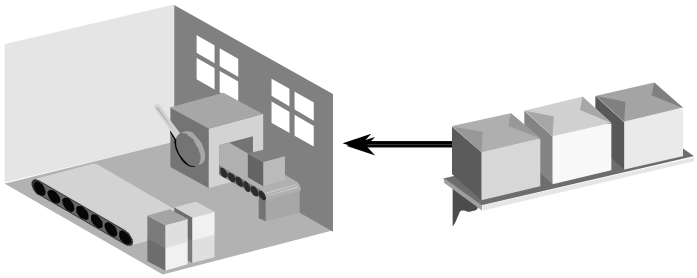
(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Test Specifications Setup—>Setting Up Customer/Vendor Specifications

... —>Setting Up Customer/Vendor Specifications Procedure

... —>Customer/Vendor Specifications Field Reference

Practice 5 Overview

This hands-on practice covers defining and setting up item and location specifications.



Copyright © Oracle Corporation, 2000. All rights reserved.

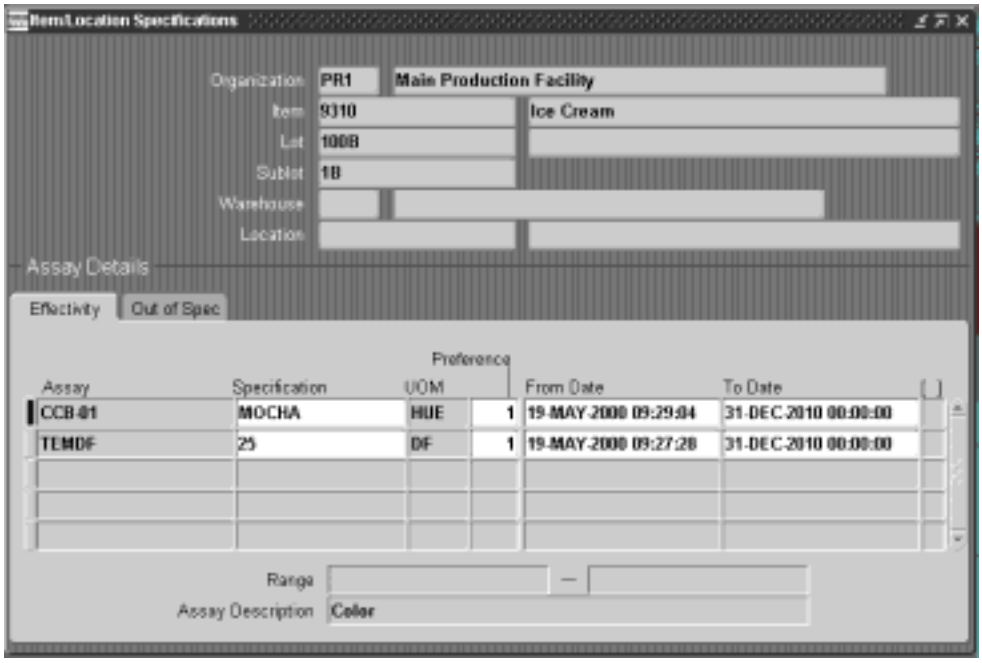
Practice 5

Setting Up Item/Location Specifications

In the process of setting up ice cream production, you need to set up the item specifications for your ice cream (item 9310) with two global assays: one that discards if the temperature is out of specification, and one of your CCB-*XX* assay specifications that retests if out of specification.

You also need to set up your heavy cream (item 9802) item specifications to reject if out of specification.

Practice 5 Solution



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 5 Solution

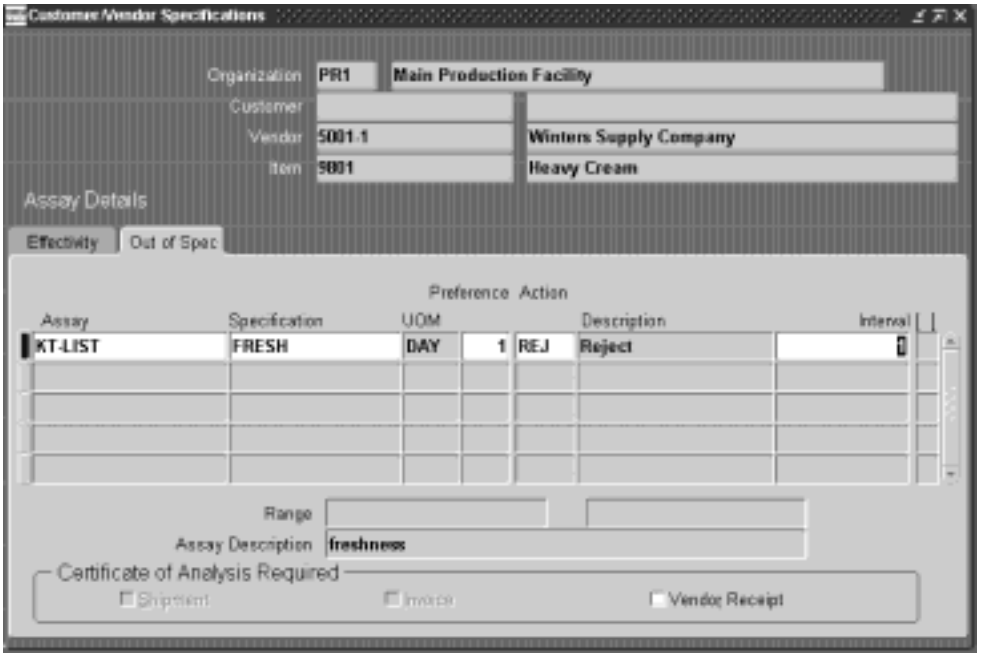
Setting Up Item/Location Specifications

1. Open the Item/Location Specifications window:

   (N) OPM Product Development—>Quality Control—>Specifications—>Item/Location
2. Enter the following information using your unique identifier:
   - Item Code: `9310`
   - Lot: `100 B`
   - Sublot: `1B`

   Note: If you have a question about lot and sublot control, check the item setup for ice cream in the Items window.
3. In the Assay Details region, enter the following information:
   - Global assay: Select a temperature assay from the list of values to test temperature, and set up to discard if out of specification.
   - CCB-XX assay: Select one of your hue specifications, and set up to retest if out of specification.
4. Save your work.

Practice 5 Solution



Copyright © Oracle Corporation, 2000. All rights reserved.

Setting Up Customer/Vendor Specifications

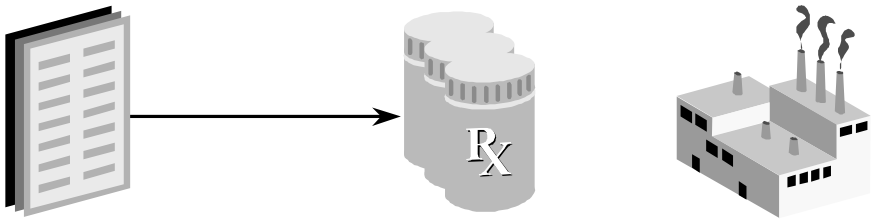
1. Open the Customer/Vendor Specification window:

   (N) OPM Product Development—>Quality Control—>Specifications—>Cust/Vend
2. Enter the following information using your unique identifier:
   - Vendor: `Winters Supply Company`
   - Item: `9801`
3. In the Assay Details region, enter the following information:

   Global assay: Select KT-LIST assay from the list of values to test freshness, and set up to reject if out of specification.
4. Save your work.

Production Specifications

You can define test specifications for any item that you produce or consume during production.



Copyright © Oracle Corporation, 2000. All rights reserved.

Defining Production Specifications

Go to the Production Specifications window to define test specifications for any item that you produce or consume during production.

(N) OPM Product Development—>Quality Control—> Specifications—>Production

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Test Specifications Setup—>Setting Up Production Specifications

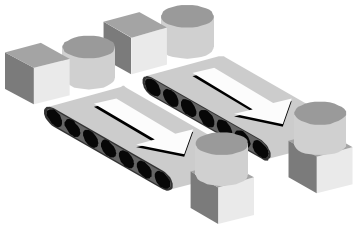
... —>Setting Up Production Specifications Procedure

... —>Production Specifications Field Reference

Practice 6

Setting Up Production Specifications

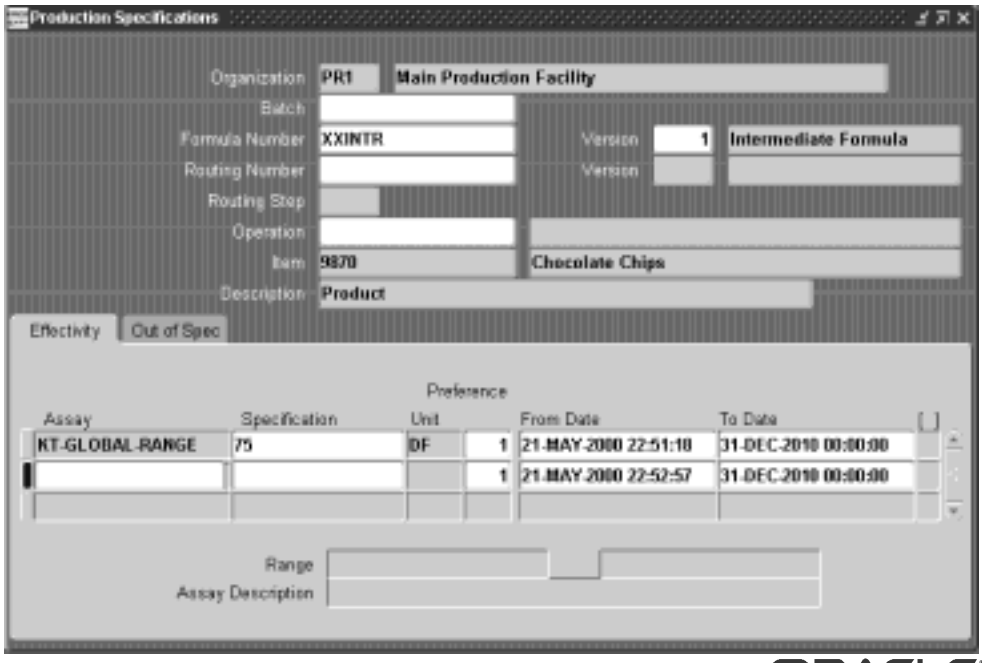
You need to set up production specifications for your intermediate product (*XX*INTR) for a 75 degrees Farenheit global quality range.



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 6 Solution

Setting Up Production Specifications



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 6 Solution

Setting Up Production Specifications

1. Open the Production Specifications window:

   (N) OPM Product Development—>Quality Control—>Specifications—>Production
2. Enter the following information using your unique identifier:
   - Formula Number: Select *XX*INTR from the list of values.
   - Item: `9870`
3. In the Assay Details region, enter the following information:
   - Assay: Select KT-GLOBAL-RANGE from the list of values.
   - Specification: `75`
   - Dates: Accept the default or specify new range.
4. Save your work.

Topic Summary

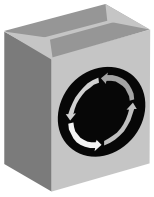
In this topic, you should have learned how to:

- **Define action messages**
- **Define Quality Management grades**
- **Specify units of measure**
- **Define assays**
- **Set up item and location specifications**
- **Set up customer and vendor details**
- **Set up production test information**

Copyright © Oracle Corporation, 2000. All rights reserved.

Agenda

- Establishing OPM Quality Parameters
- **Managing Quality Control Sampling**
- Recording Quality Control Results
- Executing Quality Management Reports and Inquiries
- Describing Quality Sample Workflow



Oracle Process Manufacturing
Quality Management

Copyright © Oracle Corporation, 2000. All rights reserved.

Objectives

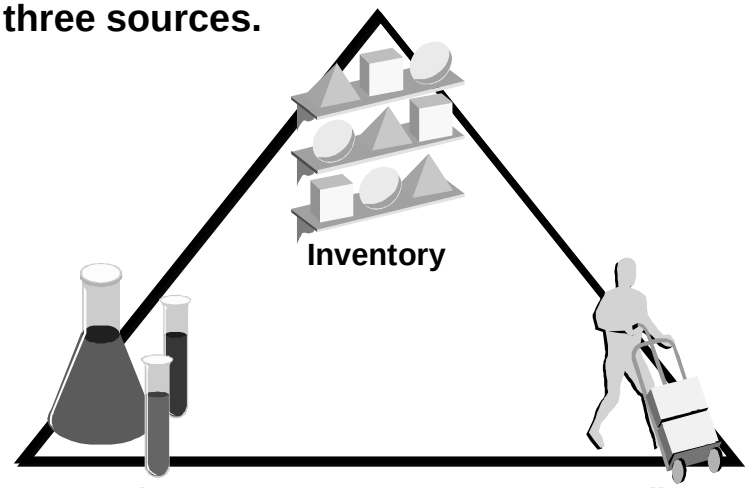
After completing this course topic, you should be able to do the following:

- **Generate a report identifying inventory that may need QC attention**
- **Enter data for sampling items from an inventory**
- **Enter data for sampling items for a customer sales order or vendor purchase order**
- **Enter data for sampling items from a specific production batch**

Copyright © Oracle Corporation, 2000. All rights reserved.
ORACLE

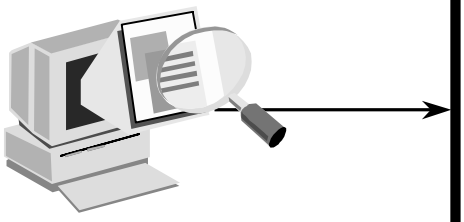
Overview

Using Quality Management, you can sample items from three sources.



Copyright © Oracle Corporation, 2000. All rights reserved.

Item and Location Required Analysis Report

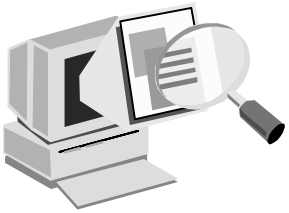


- Specific warehouses
- Item status
- Expired items
- Retested items
- Future expire
- Future retest

Copyright © Oracle Corporation, 2000. All rights reserved.

Demonstration

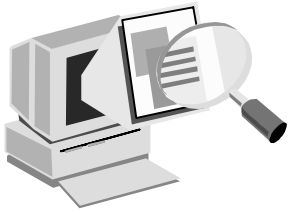
This demonstration covers generic report setup and running the Item and Location Required Analysis Report.



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 7 Overview

This hands-on practice covers setting up parameters and running the Item and Location Required Analysis Report.



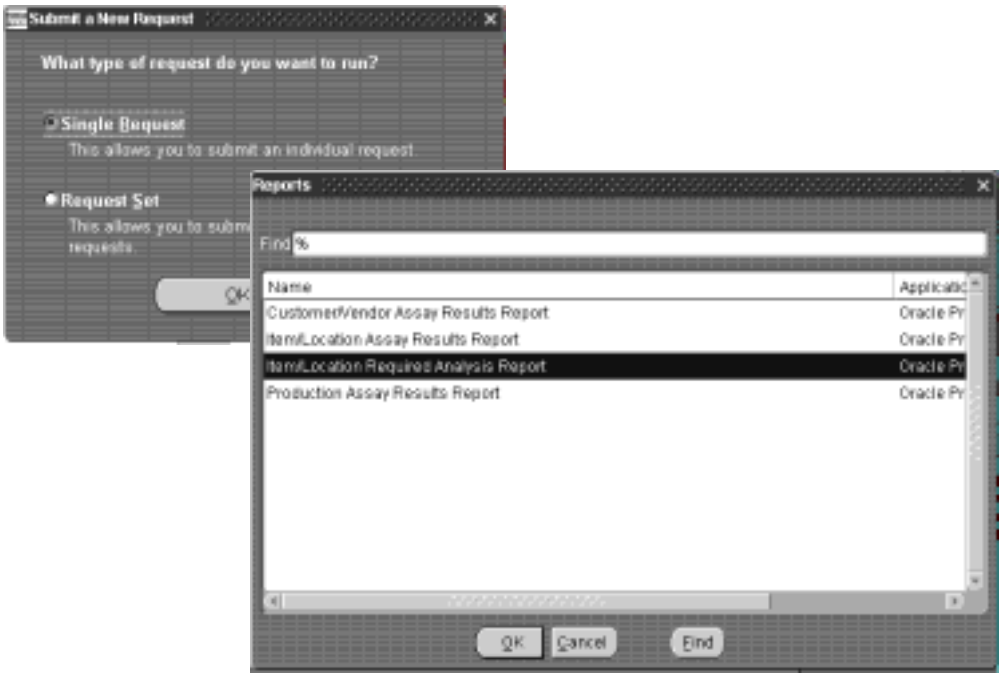
Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 7

Generating the Item and Location Required Analysis Report

Identify the inventory that needs QC attention by generating the Item and Location Required Analysis Report.

Practice 7 Solution



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 7 Solution

Generating the Item and Location Required Analysis Report

1. Open the Submit a New Request window, and click OK to submit a single request.

   (N) OPM Product Development—>Quality Control—>Reports—>Run

2. Select the Item/Location Required Analysis Report from the Reports pop-up window, and click OK.

   The Parameters window opens.

3. In the Parameters window, enter the appropriate field parameters to produce the desired report. Click OK.

4. In the Submit Request window, accept execution defaults, and click Submit Request.

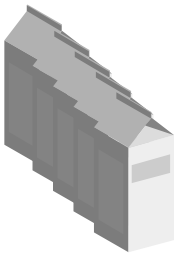
   Note: Be sure to note the request identification number separately.

5. Open the Requests window to see report results:

   (N) OPM Product Development—>Quality Control—>Reports—>Run

Sampling Inventory

You may need to sample material directly from inventory for testing.



Items

Copyright © Oracle Corporation, 2000. All rights reserved.

Sampling Inventory Materials

Go to the Item/Location Samples window to sample material directly from inventory for QC testing.

(N) OPM Product Development—>Quality Control—> Samples—>Item/Location

Copyright © Oracle Corporation, 2000. All rights reserved.

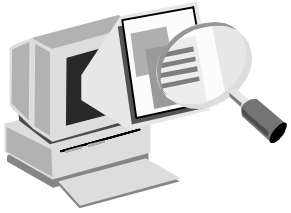
(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>QC Sampling—>Sampling Materials From Inventory

…—>Sampling Materials From Inventory Procedure

…—>Item/Location Samples Field Reference

Practice 8 Overview

This hands-on practice covers entering data for sampling inventory materials.



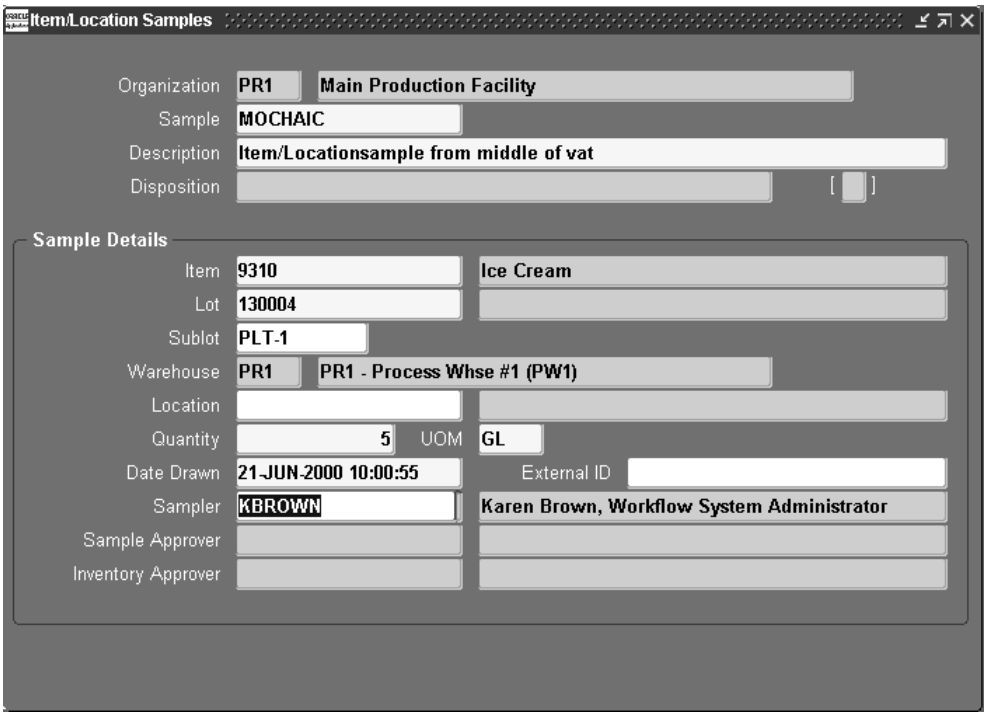
Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 8

Sampling Inventory Materials

You need to take item samples from a location. Set up sample details to sample from the ice cream lot for which you set up item and location specifications in practice 5.

Practice 8 Solution



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 8 Solution

Entering Data for Sampling Inventory Materials

1. Open the Item/Location Samples window:

   (N) OPM Product Development ——> Quality Control ——> Samples ——> Item/Location
2. Enter a sample name and description for your sample.

   Note: If you default organization is not correct, open the Session Parameters window and select EOPC from the Organization list of values.

   (N) OPM Product Development ——> Quality Control ——> Other ——> Session Parameters
3. In the Samples Details region, enter the following information:
   - Item: `9310`
   - Lot: `100B`
   - Sublot: `1B`
   - Warehouse: `200A`
   - Location: `QC`
   - Quantity: `5`
   - UOM: `GAL`
   - Date Drawn: Current date
   - User: Your student identification
4. Save your work.

Sampling Customer or Vendor Items

You can sample items for customer sales order or vendor purchase order.

Customer order

Purchase order

Copyright © Oracle Corporation, 2000. All rights reserved.

Setting Up Customer or Vendor Samples

Go to the Customer/Vendor Samples window to sample material for a customer sales order or a vendor purchase order.

(N) OPM Product Development—>Quality Control—> Samples—>Cust/Vend

Copyright © Oracle Corporation, 2000. All rights reserved.

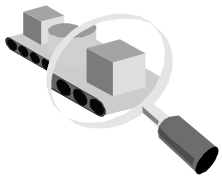
(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>QC Sampling—>Sampling Customer / Vendor Materials

…—>Sampling Customer/Vendor Materials Procedure

…—>Customer/Vendor Samples Field Reference

Sampling Production Batches

You can sample material from a production batch.



Copyright © Oracle Corporation, 2000. All rights reserved.

Setting Up Production Sample Information

Go to the Production Samples window to record production samples in order to sample material for a particular production batch.

(N) OPM Product Development—>Quality Control—> Samples—>Production

Copyright © Oracle Corporation, 2000. All rights reserved.

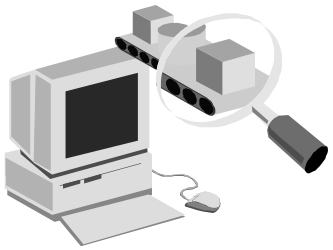
(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>QC Sampling—>Sampling Production Materials

…—>Sampling Production Materials Procedure

…—>Production Samples Field Reference

Practice 9

This hands-on practice covers entering production samples.



Copyright © Oracle Corporation, 2000. All rights reserved.

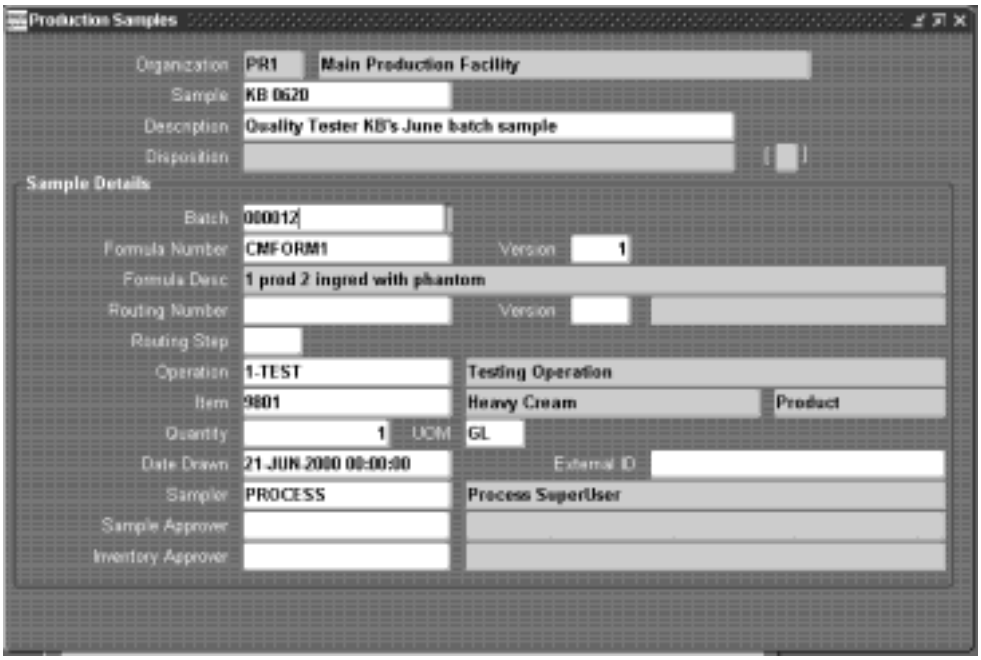
Practice 9

Setting Up Production Sample Information

Now you need to sample material from a particular production batch, recording the quantity sampled and the date and time the sample was drawn.

- Batch: 000012
- Formula Number: CM-FORM1
- Operation: 1-Test
- Item: CM111A

Practice 9 Solution



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 9 Solutions

Setting Up Production Sample Information

1. Open the Production Samples window:

   (N) OPM Product Development—>Quality Control—>Samples—>Production
2. Enter a sample name *XX-MMDD* where *XX* is your student number, *MM* is the current month, and *DD* is the current day.
3. Enter the appropriate data in the Sample Details region.
4. Save your work.

Topic Summary

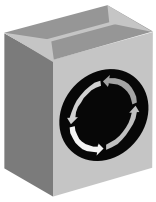
In this topic, you should have learned how to:

- **Generate a report identifying inventory that may need QC attention**
- **Enter data for sampling items from an inventory**
- **Enter data for sampling items for a customer sales order or vendor purchase order**
- **Enter data for sampling items from a specific production batch**

Copyright © Oracle Corporation, 2000. All rights reserved.
ORACLE

Agenda

- Establishing OPM Quality Parameters
- Managing Quality Control Sampling
- **Recording Quality Control Results**
- Executing Quality Management Reports and Inquiries
- Describing Quality Sample Workflow



Oracle Process Manufacturing
Quality Management

Copyright © Oracle Corporation, 2000. All rights reserved.

Objectives

After completing this course topic, you should be able to do the following:

- **Enter data from results taken directly from inventory samples**
- **Enter data from results of samples taken from a customer or vendor order**
- **Enter data from results of samples taken from a formula or production batch**
- **Change the lot and grade status of a sample lot**
- **Change the status of expired lots**

Copyright © Oracle Corporation, 2000. All rights reserved.

Overview

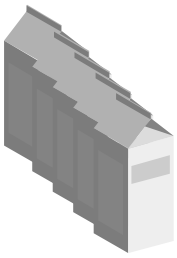
You can enter results from samples into OPM Quality Management.

Sample results from:

- **Inventory**
- **Customer or vendor order**
- **Formula or production batch**

Copyright © Oracle Corporation, 2000. All rights reserved.

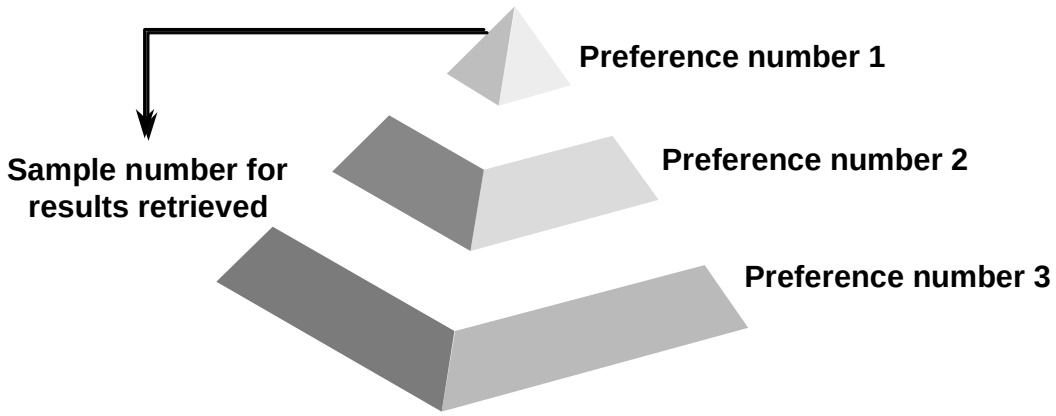
Entering Quality Control Results from Inventory Samples



Inventory

Copyright © Oracle Corporation, 2000. All rights reserved.

Sample Results Hierarchy



Copyright © Oracle Corporation, 2000. All rights reserved.

Entering Item and Location Results Information

Go to the Item/Location Results window to record the results of QC tests if you sampled and tested materials directly from inventory.

(N) OPM Product Development—>Quality Control—> Results—>Item/Location

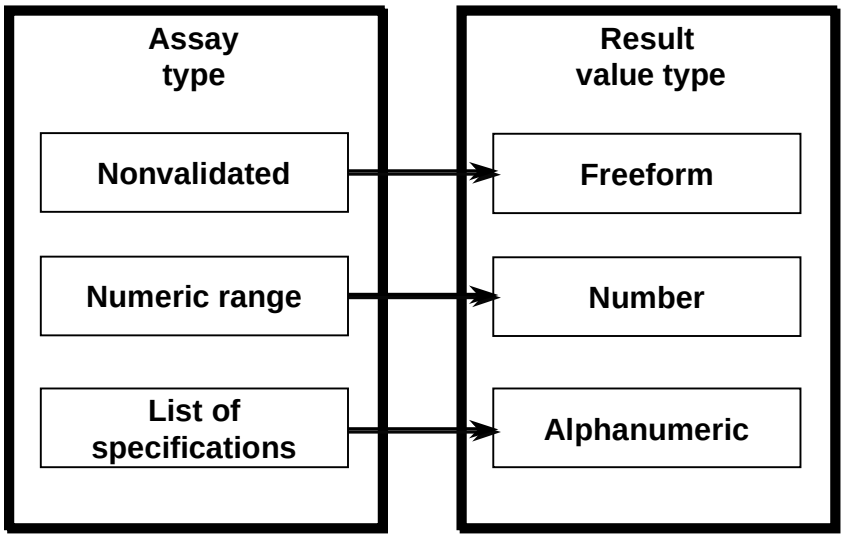
Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Recording QC Results—>Entering Item / Location Results

…—>Entering Item/Location Results Procedure

…—>Item/Location Results Field Reference

Entering Assay Results Fields

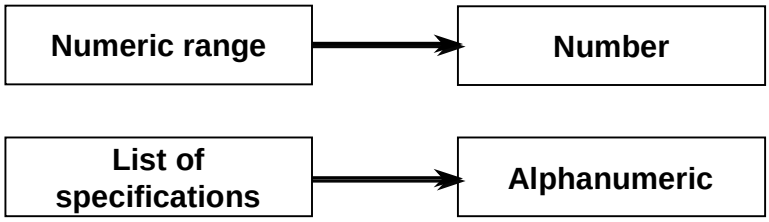


Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 10

Recording Item Location Results

This hands-on practice covers entering results from items and locations samples.



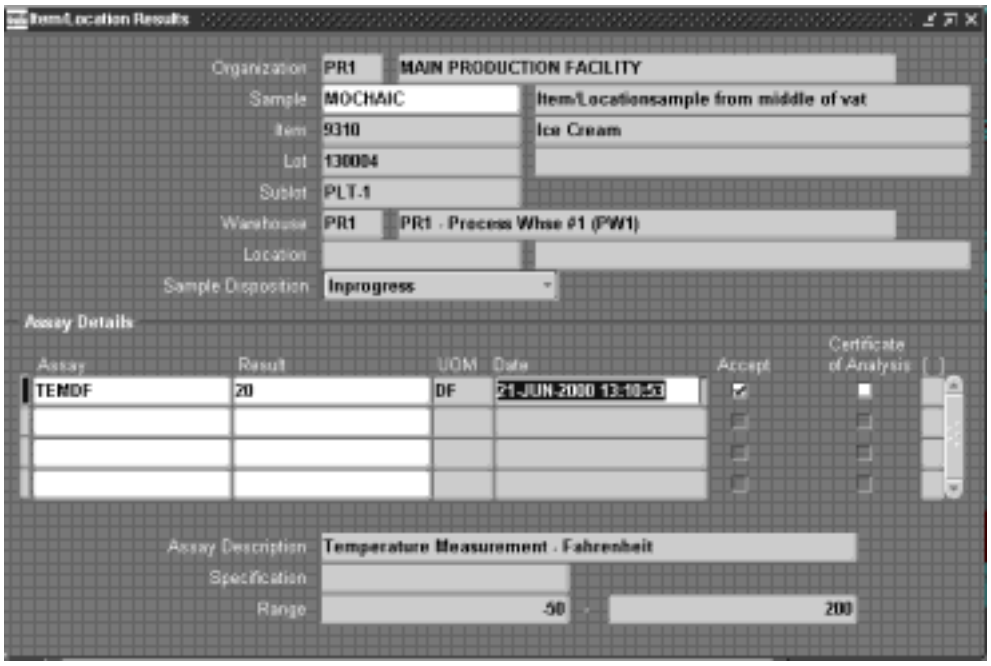
Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 10

Recording Item Location Results

The sample you set up in practice 8 is taken by the QC group. You need to record their sample results and make any necessary status or grade adjustments.

Practice 10 Solutions



Copyright © Oracle Corporation, 2000. All rights reserved.

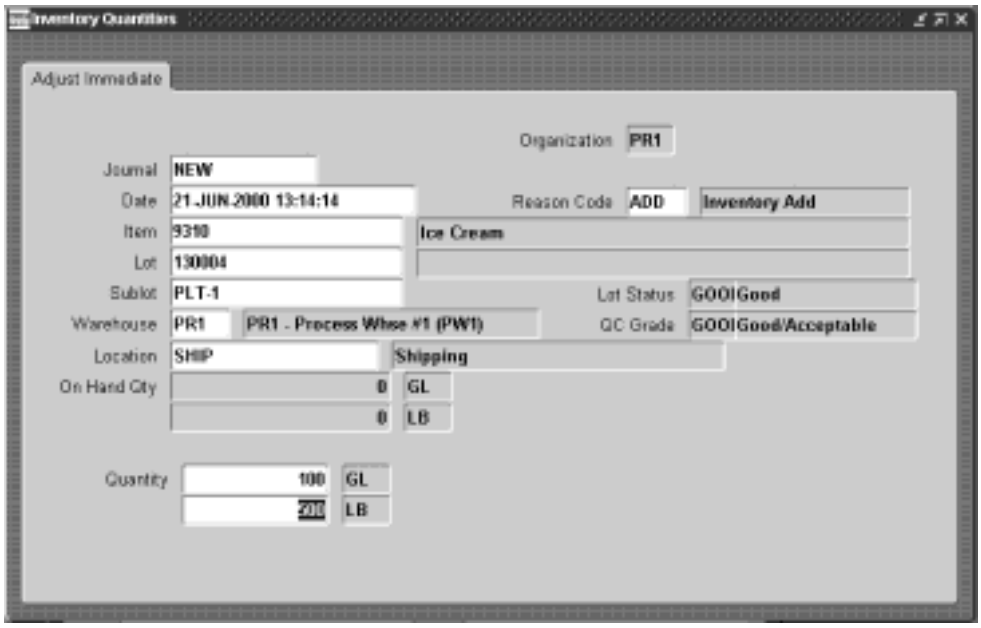
Practice 10 Solutions

Recording Item Location Results

1. Open the Item/Location Results window:

   (N) OPM Product Development—>Quality Control—>Results—>Item/Location
2. Enter the sample name you set up in practice 8. Press [Tab] to populate the data in the top half of the window.
3. In the Assay Details region, enter the following:
   - Select the TEMDF assay from the list of values.
   - Enter a temperature result in Fahrenheit degrees.
   - Accept the default date if appropriate for your test.
   - Select the Accept check box if the temperature is in the acceptable range for your QC.
4. Save your work.

Practice 10 Solutions



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 10 Solutions (continued)

Recording Item Location Results (continued)

5. At this point, you can adjust the status or grade. Open the Inventory Quantities window:

   (N) OPM Inventory—>Inventory Control—>Quantities

6. If you want to prevent the lot from which the sample was taken from being sold or used for production, edit the lot status or QC grade.

Entering Quality Control Results from Customer or Vendor Samples

Supplier or customer

Copyright © Oracle Corporation, 2000. All rights reserved.

Entering Customer or Vendor Results

Go to the Customer/Vendor Results window to record the results of QC tests if you sampled and tested materials for a particular vendor or customer order.

(N) OPM Product Development—>Quality Control—> Results—>Cust/Vend

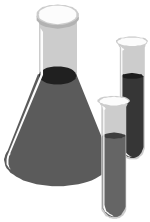
Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Recording QC Results—>Entering Customer/Vendor Results

…—>Entering Customer/Vendor Results Procedure

…—>Customer/Vendor Results Field Reference

Entering Quality Control Results from Production Samples



Formula or production batch

Copyright © Oracle Corporation, 2000. All rights reserved.

Entering Production Results

Go to the Production Results window to record the results of QC tests if you sampled and tested materials for a particular formula or production batch.

(N) OPM Product Development—>Quality Control—> Results—>Production

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Recording QC Results—>Entering Production Results

…—>Entering Production Results Procedure

…—>Production Results Field Reference

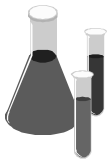
Practice 11

Recording Vendor Results

This hands-on practice covers entering results from assays for customer orders or vendor items.

Customer

Vendor



Production

Copyright © Oracle Corporation, 2000. All rights reserved.

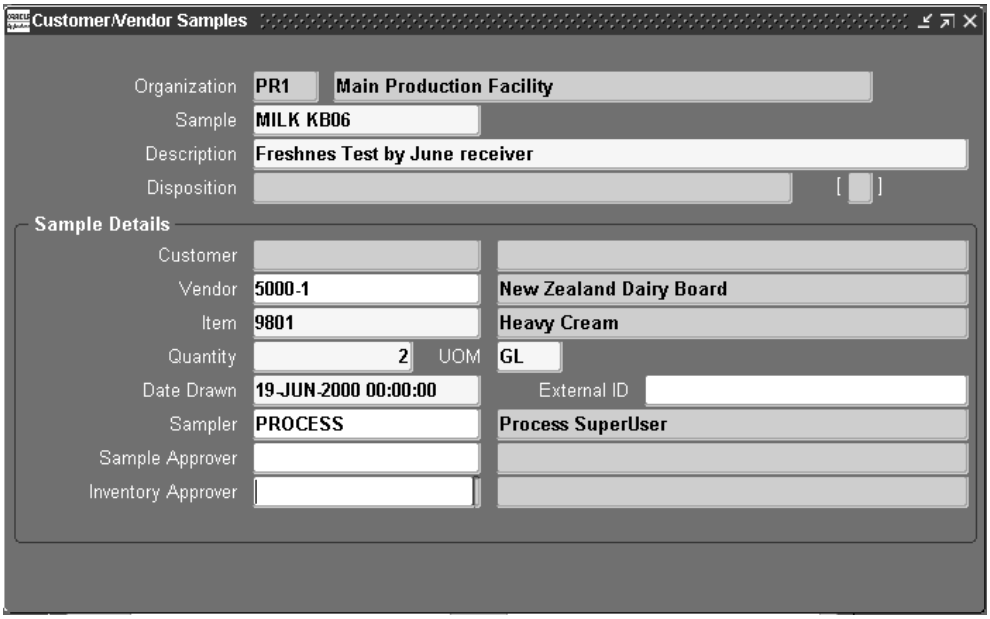
Practice 11

Recording Vendor Results

To practice recording vendor results, you need to set up a vendor sample from the vendor specifications set up in practice 5. In the Customer/Vendor Samples window, enter the KT-LIST global assay in the Assay Details region, and enter FRESH as the acceptable result.

Then record vendor results with results other than FRESH, and do not accept the sample.

Practice 11 Solutions



Copyright © Oracle Corporation, 2000. All rights reserved.

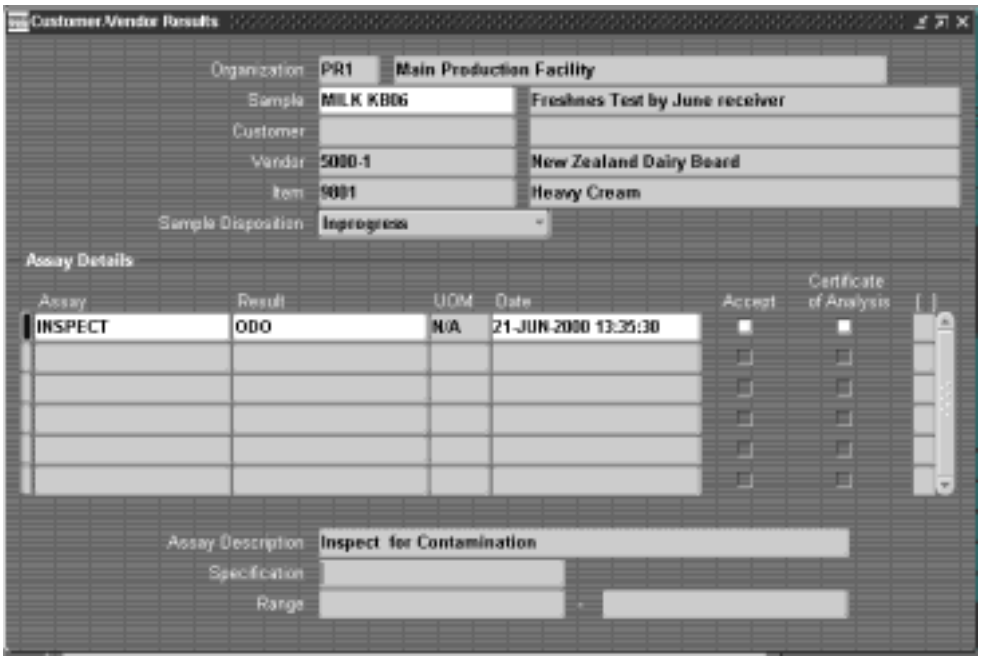
Practice 11 Solutions

Setting Up a Vendor Sample

1. Open the Customer/Vendor Samples window:

   (N) OPM Product Development—>Quality Control—>Samples—>Cust/Vend
2. Enter the following data:
   - Sample: `MILK-`*`XXMM`*, where *XX* is your terminal number, and *MM* is the current month.
   - Vendor: `5000-1 New Zealand Dairy Board`
   - Item: `9801`
   - Quantity: `2`
   - UOM: `GAL`
   - Date Drawn: Accept the defaults in the Date Drawn and User fields.
3. Save your work.

Practice 11 Solutions



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 11 Solutions (continued)

Recording Vendor Sample Results

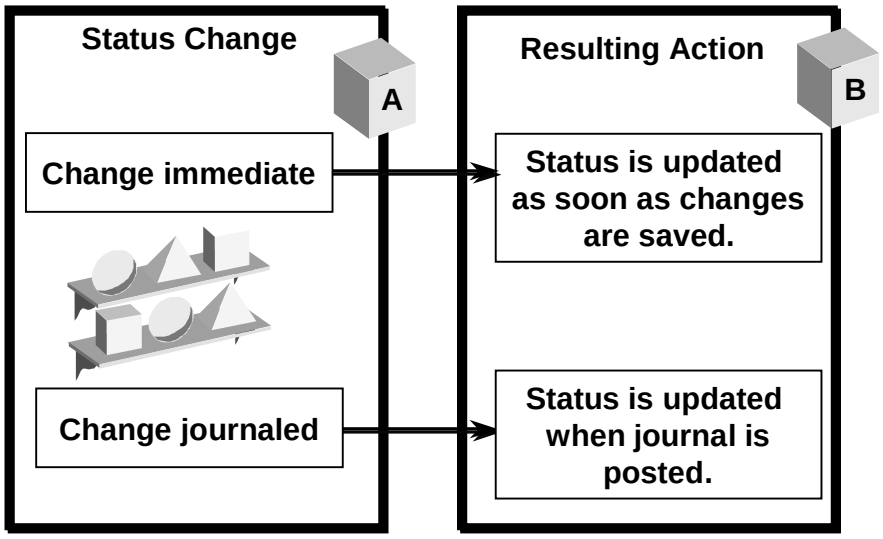
1. Open the Customer/Vendor Results window:

   (N) OPM Product Development—>Quality Control—>Results—>Cust/Vend
2. Enter the sample name `MILK-`*`XXMM`*. Press [Tab] to populate the data in the top half of the window.
3. In the Assay Details region, enter the following:
   - Select the INSPECT assay from the list of values.
   - Enter a result.
   - Accept the default date if appropriate for your test.
   - Do not select the Accept check box.
4. Save your work.

Failed Testing Requires Changes to Lot Status or Grade

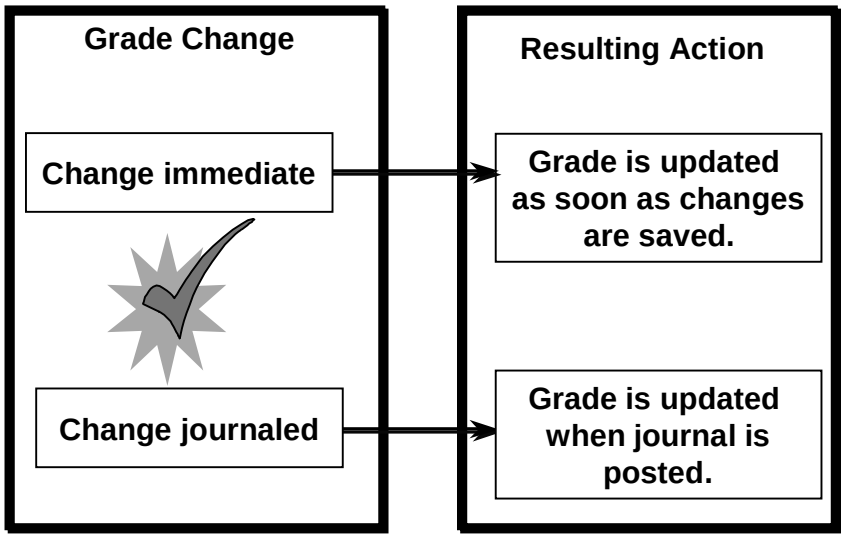
Copyright © Oracle Corporation, 2000. All rights reserved.

Lot Status Changes



Copyright © Oracle Corporation, 2000. All rights reserved.

QC Grade Changes



Copyright © Oracle Corporation, 2000. All rights reserved.

Entering Single Item QC Status and Grade Changes

Go to the Inventory Quantities window to establish initial inventory quantities in warehouses before you perform inventory processing.

(N) OPM Inventory—>OPM Inventory Control—>Quantities

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) OPM Inventory—>OPM Inventory Management User's Guide—>Processing Inventory Transactions—>Using the Inventory Quantities Window

…—>Using the Inventory Quantities Window Procedure

…—>Inventory Quantities Field References

Entering Mass Lot and Grade Changes

Go to the Inventory Quantities - Mass window to process mass transactions that include wide ranges of items, warehouses, locations, grades, and so on.

**(N) OPM Inventory—>OPM Inventory Control—>
Mass Transactions**

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) OPM Inventory—>OPM Inventory Management User's Guide—>Processing Inventory Transactions—>Processing Mass Transactions

…—>Processing Mass Transactions Procedure

…—>Inventory Quantities - Mass Field References

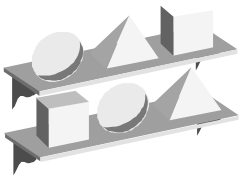
…—>Inventory Quantities - Mass Additional Setup in Inventory Management

Practice 12

Recording Production Results

This hands-on practice covers entering results from assays for customer production results.

QC grade



Lot status

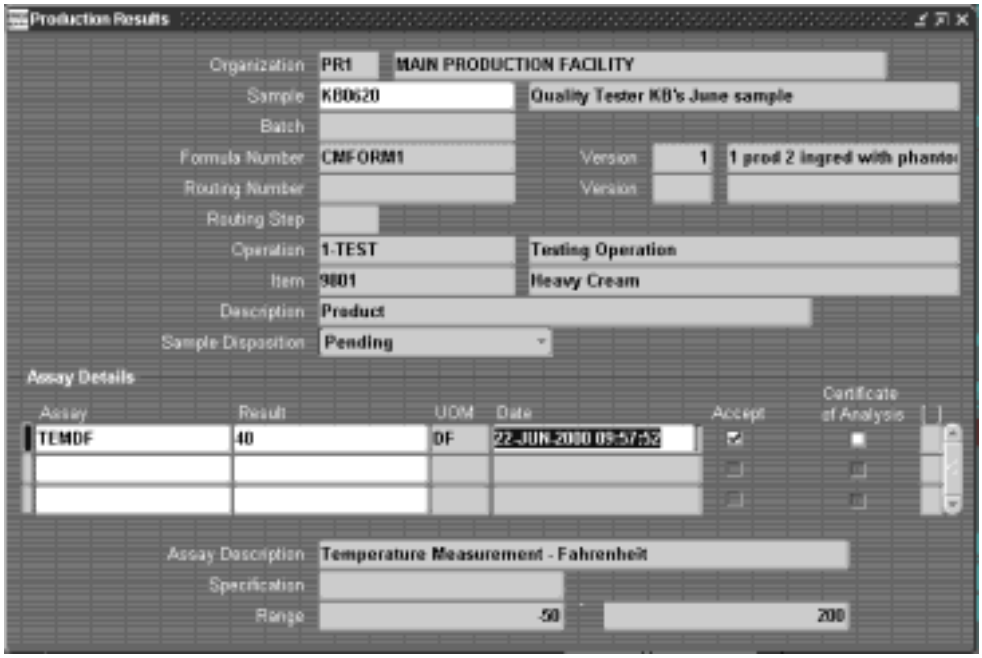
Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 12

Recording Production Results

The production batch sample you set up in practice 9 is taken by the QC group. You need to record their sample results.

Practice 12 Solutions



Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 12 Solutions

Recording Production Results

1. Open the Production Results window:

   (N) OPM Product Development—>Quality Control—>Results—>Production
2. Enter the sample name *XX-MMDD* that you set up in practice 9. Press [Tab] to populate the data in the top half of the window.
3. In the Assay Details region, enter the following:
   - Select an assay from the list of values.
   - Enter results that are within the acceptable specifications or ranges for the assay.
   - Select the Accept check box.
4. Save your work.

Managing Expired Lots

Go to the Expired Lot Status Change window to change the lot status of all, one, or a range of expired items in all, one, or a range of lots, sublots, warehouses, or locations.

(N) OPM Product Development—>Quality Control—>Expired Lots

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>Recording QC Results—>Managing Expired Lots

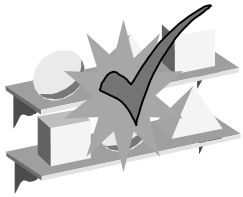
…—>Managing Expired Lots Procedure

…—>Expired Lot Status Change Field References

Practice 13 Overview

This essay practice covers using the QC expired lot and lot status change functionalities.

QC expired lot



Lot status change

Copyright © Oracle Corporation, 2000. All rights reserved.

Practice 13

Using the Expired Lot Functionality

A paint manufacturer wants to devise an automated method for retesting and regrading finished goods inventory within a warehouse. Upon expiration of a particular lot, the paint may be brought back into inventory.

When the material is put back into inventory, it is tagged to notify warehouse personnel and customer service representatives that it should be sold as quickly as possible and picked before other available inventory.

Describe how the QC expired lot functionality might be used to automate the daily inventory evaluation of expired lots.

How would you suggest that the inventory be tagged in OPM to provide visibility to warehouse personnel and customer service representative of lots that should be allocated first?

Practice 13 (continued)

Using Dual UOM

A dairy manufacturer of ice cream receives fresh milk from local dairies on a daily basis. The whole milk is received in gallons at the dock and automatically piped into storage vats.

At the time of receipt from the local dairy, a QC sample is taken. The lab performs the necessary quality checks on the sample and determines the percent butterfat (%BF) received. Each lot of milk received has a different %BF to gallon relationship.

Production consumes the milk for ice cream products based on its percent butterfat. Production evaluates the %BF of individual lots as the method for formulation. For example, a base ice cream recipe calls for a certain number of gallons of whole milk at 26%BF. If individual lots of whole milk in inventory range from 20%BF to 35%BF, the production foreperson has to plan production to consume the appropriate combination of these lots to result in a 26%BF mixture.

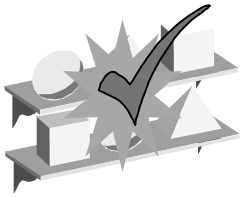
During the presales demonstrations of OPM, the client is told it can define whole milk in dual units of measure to capture both gallons and %BF.

1. Understanding the need for lot-specific visibility of gallons and %BF, describe how the client should define the item whole milk with respect to dual UOM.
2. Suggest the process for receiving milk that will:
   - Enable warehouse personnel to immediately receive the milk lot into inventory without waiting for QC to first calculate the gallon to %BF ratio.
   - Place the milk on hold until QC testing is complete.
   - Enable QC to record the actual lot-specific %BF of the received gallons.
   - Enable QC to release the lot to production for use.
   - Enable QC to assign the actual grade to the lot of the milk received.

Practice 13 Solutions

This essay practice covers using the QC expired lot and lot status change functionalities.

QC expired lot



Lot status change

1-104 Copyright © Oracle Corporation, 2000. All rights reserved. ORACLE

Practice 13 Solutions

Using the Expired Lot Functionality

1. By running the QC Expired Lots process for all items in a warehouse, you can automatically perform a status change of the expired lots to a Retest status without having to individually analyze each lot and perform a separate status change transaction for each.
2. A special grade code or lot status code can be assigned to the material so that you can identify it in an inventory item query. For customer service representatives, the grade code may be preferable since the inventory summary does not display lot status information.

Practice 13 Solutions (continued)

Using Dual UOM

1. Define the item as follows:
   - Dual UOM: 2
   - UOM1: GAL (Gallons)
   - UOM2:%BF (percent butterfat). Also, define the item specific conversion as a reasonable default, such as 1 GAL = .2%BF.

   The item could also be defined as Dual UOM 3, but the first option provides a default conversion to be displayed on screens during receiving, which can be beneficial.
2. The process for receiving milk is as follows:
   - Using the default conversion factor for GAL and %BF (or the %BF as stated on the bill of lading, if available), the milk can be received. QC can modify the conversion after testing is complete.
   - The default lot status TEST should be entered in the Inventory Items window so that, upon receipt, each new lot of milk is placed on TEST status. TEST would make the lot unavailable for production.
   - When QC determines the actual %BF, an adjustment to the existing lot quantity can be made to either the GL quantity or the %BF quantity to result in the appropriate amount.
   - Once testing is complete, QC must perform a status change to transfer the lot from TEST status to a RELEASED status code (defined such that material is available for production).
   - QC can perform a grade change transaction to change the lot (if necessary) from its default received grade to the actual grade.

Topic Summary

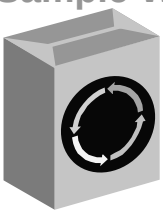
In this topic, you should have learned how to:

- **Enter data from results taken directly from inventory samples**
- **Enter data from results of samples taken from a customer or vendor order**
- **Enter data from result of samples taken from a formula or production batch**
- **Change the lot and grade status of a sample lot**
- **Change the status of expired lots**

Copyright © Oracle Corporation, 2000. All rights reserved.

Agenda

- Establishing OPM Quality Parameters
- Managing Quality Control Sampling
- Recording Quality Control Results
- **Executing Quality Management Reports and Inquiries**
- Describing Quality Sample Workflow



Oracle Process Manufacturing
Quality Management

Copyright © Oracle Corporation, 2000. All rights reserved.

Objectives

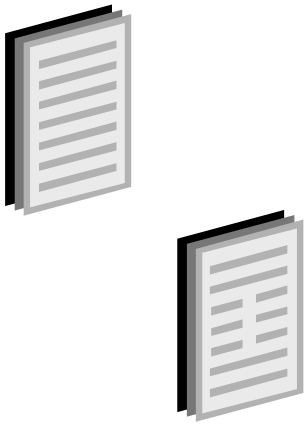
After completing this course topic, you should be able to do the following:

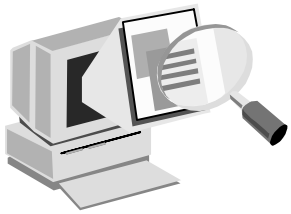
- **Enter information to run the Item and Location Required Analysis Report**
- **Enter information to run the Item and Location Assay Results Report**
- **Enter information for lot genealogy queries**

Copyright © Oracle Corporation, 2000. All rights reserved.

Overview

Reports and online views help you manage quality management activity.





Online review

Copyright © Oracle Corporation, 2000. All rights reserved.

Entering Item and Location Assay Results Report Information

Go to the Submit Request window to submit the Item/Location Assay Results Report to display all of the results obtained from QC test samples that have been entered into the system.

(N) OPM Product Development—>Quality Control—> Reports—>Run

Copyright © Oracle Corporation, 2000. All rights reserved.

(Help) Oracle Manufacturing Applications—>Oracle Process Applications—>OPM Product Development—>OPM Quality Management User's Guide—>QC Reporting—>Running the Item / Location Assay Results Report

…—>Submitting the Report

…—>Selected Report Parameters

…—>Item/Location Assay Results Report Description

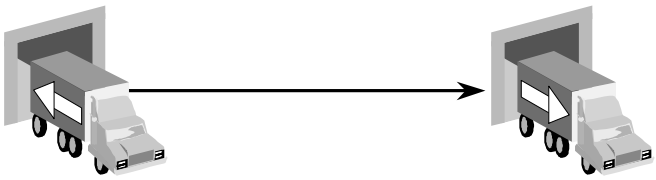
Demonstration

This demonstration covers executing the Item and Location Assay Results Report.

Copyright © Oracle Corporation, 2000. All rights reserved.

Lot Genealogy

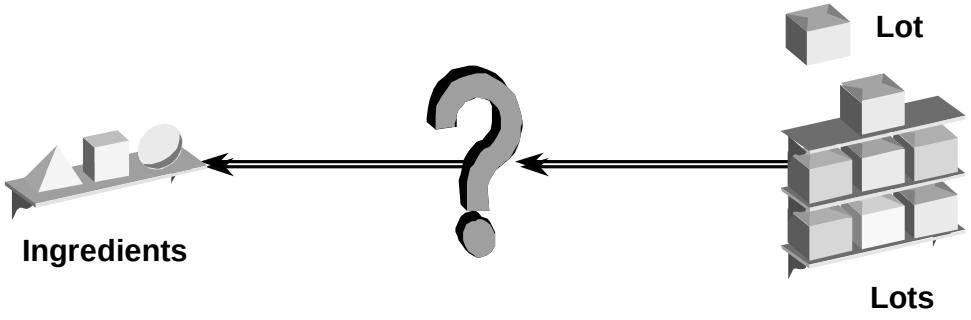
Users can trace materials online from receipt through customer shipment.



Receiving **Shipping**

Copyright © Oracle Corporation, 2000. All rights reserved.

Lot Genealogy



Copyright © Oracle Corporation, 2000. All rights reserved.

Topic Summary

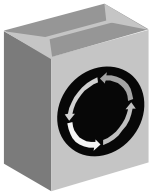
In this topic, you should have learned how to:

- **Enter information to run the Item and Location Required Analysis Report**
- **Enter information to run the Item and Location Assay Results Report**
- **Enter information for lot genealogy queries**

Copyright © Oracle Corporation, 2000. All rights reserved.

Agenda

- Establishing OPM Quality Parameters
- Managing Quality Control Sampling
- Recording Quality Control Results
- Executing Quality Management Reports and Inquiries
- **Describing Quality Sample Workflow**



Oracle Process Manufacturing
Quality Management

Copyright © Oracle Corporation, 2000. All rights reserved.

Objectives

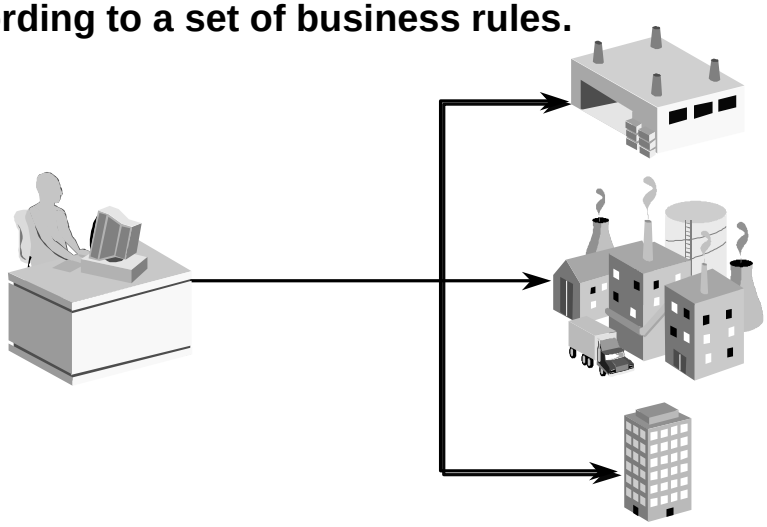
After completing this course topic, you should be able to do the following:

- **Describe the OPM quality sample approval workflow**
- **Explain the setup of the OPM quality sample workflow**
- **Recognize the OPM quality sample workflow windows**

Copyright © Oracle Corporation, 2000. All rights reserved.

Oracle Workflow: Overview

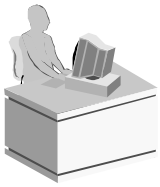
By using Oracle Workflow, you can route information according to a set of business rules.



Copyright © Oracle Corporation, 2000. All rights reserved.

Routing Information

Oracle Workflow routes information to a defined role.



Sample approver

QC sample notification

QC assay

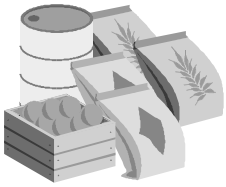
Inventory approver

Copyright © Oracle Corporation, 2000. All rights reserved.

Sample Approval Workflow: Overview

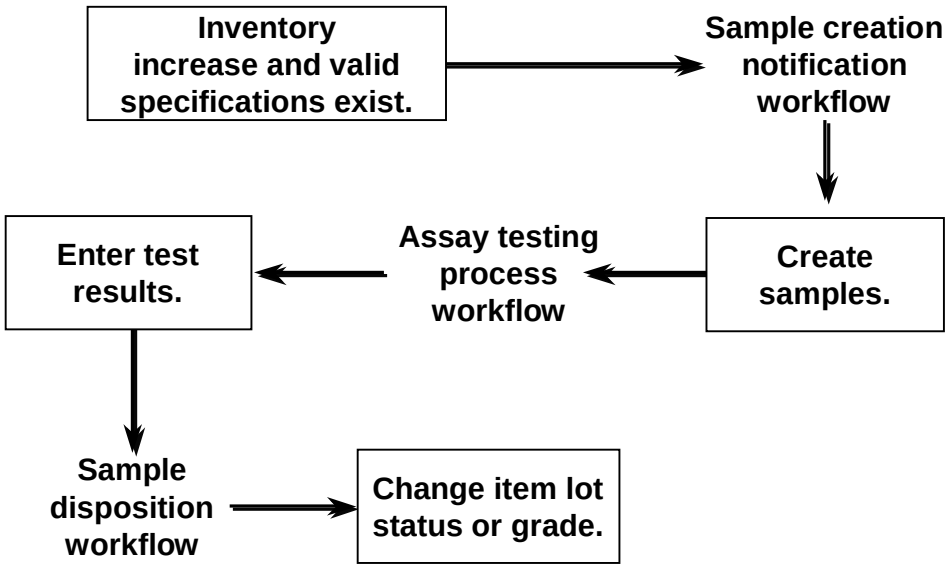
The quality sample approval workflow has the capability to meet various quality assurance tests on:

- **Raw materials**
- **Intermediates**
- **Finished goods**



Copyright © Oracle Corporation, 2000. All rights reserved.

OPM Quality Sample Approval Workflow

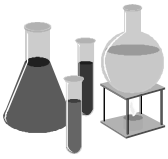


Copyright © Oracle Corporation, 2000. All rights reserved.

Sample Approval Workflow

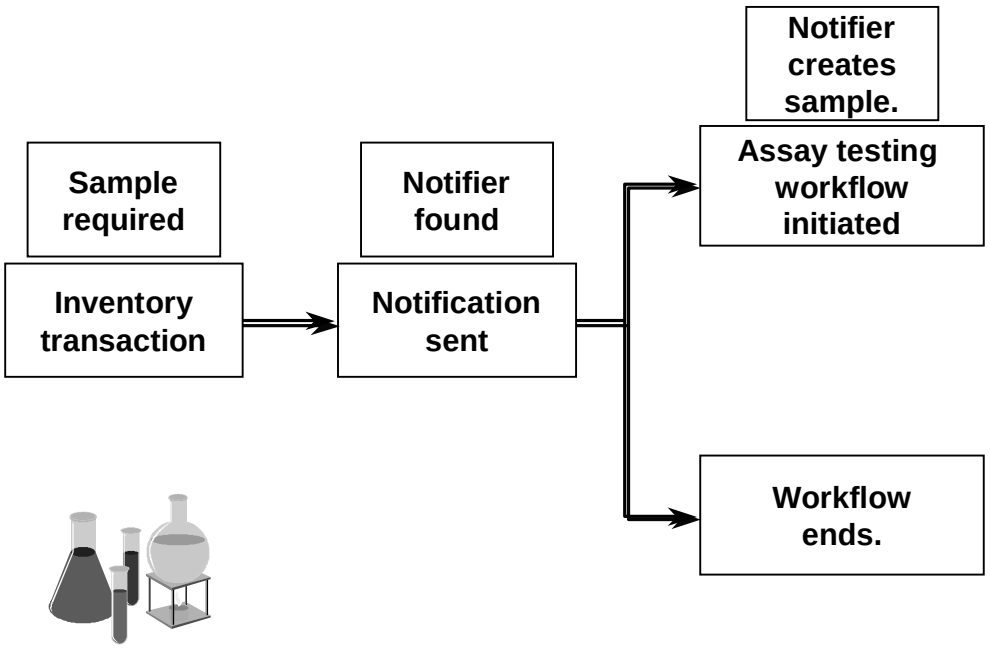
The sample approval workflow is composed of three subordinate workflows:

- **Sample creation notification workflow**
- **Assay testing process workflow**
- **Sample disposition workflow**



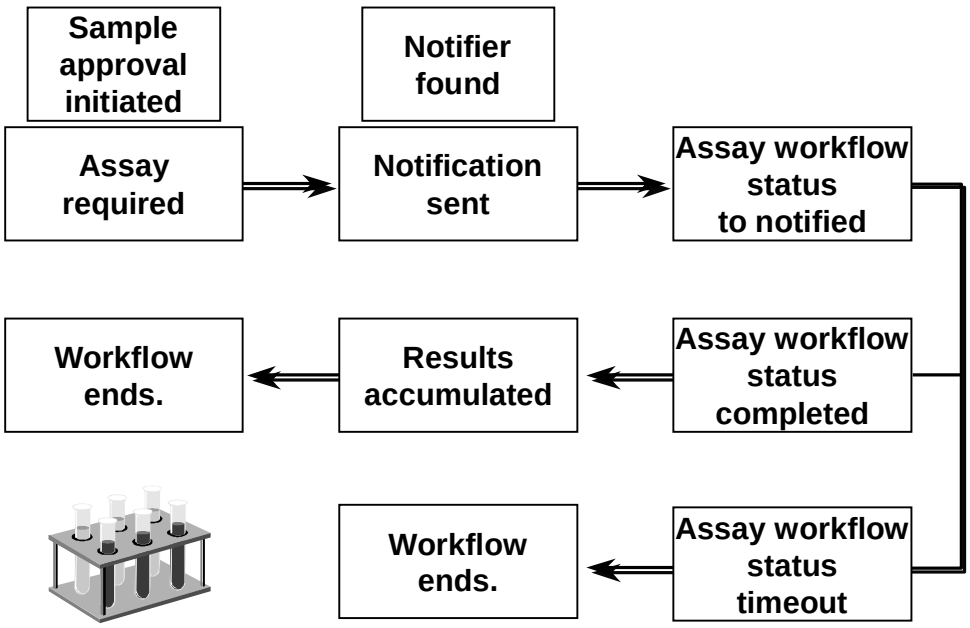
Copyright © Oracle Corporation, 2000. All rights reserved.

Sample Creation Notification Workflow



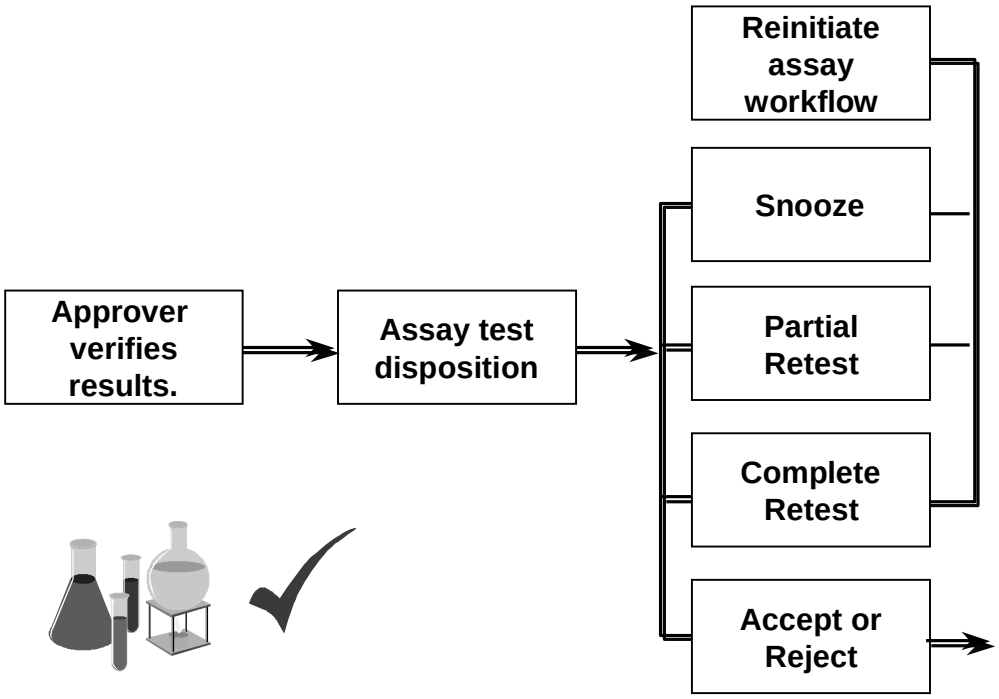
Copyright © Oracle Corporation, 2000. All rights reserved.

Assay Testing Process Workflow



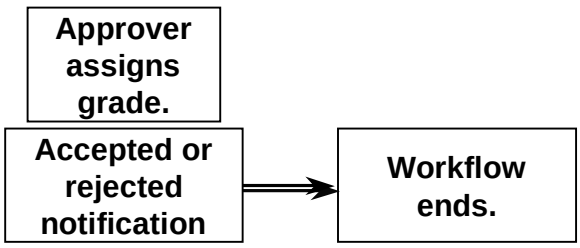
Copyright © Oracle Corporation, 2000. All rights reserved.

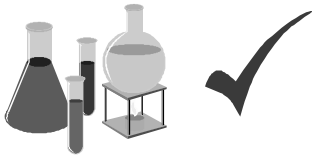
Sample Disposition Workflow



Copyright © Oracle Corporation, 2000. All rights reserved.

Sample Disposition Workflow





Copyright © Oracle Corporation, 2000. All rights reserved.

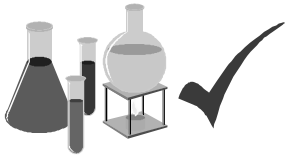
Role Association Activities

- **QC sample notification**
  - **Organization, warehouse, warehouse item, item**
- **Inventory approver**
  - **Organization**
- **Sample approver**
  - **Organization**
- **QC assay tester**
  - **Organization, assay class, assay**

Copyright © Oracle Corporation, 2000. All rights reserved.
ORACLE

Implementation Considerations

- New profile value to support organization security
- Workflow activation
- Role association



Inventory approver

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question

Oracle Workflow routes information to a _____.

1. **Location**
2. **Customer or vendor**
3. **Organization**
4. **Role**
5. **Warehouse**

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question Solution

Oracle Workflow routes information to a _____.

1. Location
2. Customer or vendor
3. Organization
4. **Role**
5. Warehouse

A role can be an individual. Any user associated with that role can act on the notification. Each notification includes a message associated with all of the information a user needs to make a decision.

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question

When a sample is created, the _____ finds appropriate assays and specifications for the sample.

1. **Sample disposition workflow**
2. **Sample approval workflow**
3. **Workflow activities definitions**
4. **Notification**
5. **Workflow activation**

Copyright © Oracle Corporation, 2000. All rights reserved.

Review Question Solution

When a sample is created, the _____ finds appropriate assays and specifications for the sample.

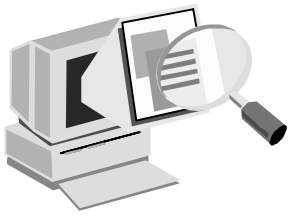
1. Sample disposition workflow
2. **Sample approval workflow**
3. Workflow activities definitions
4. Notification
5. Workflow activation

The workflow sends notifications to individuals who perform the required QC assays for the sample.

Copyright © Oracle Corporation, 2000. All rights reserved.

Demonstration

This demonstration covers how a standard workflow is used during the goods receiving process and production processes to inform quality control or the "qualified person" that materials are waiting for approval for further processing.



Copyright © Oracle Corporation, 2000. All rights reserved.

Topic Summary

In this topic, you should have learned how to:

- **Describe the OPM quality sample approval workflow**
- **Explain the setup of the OPM quality sample workflow**
- **Recognize the OPM quality sample workflow windows**

Copyright © Oracle Corporation, 2000. All rights reserved.

Course Summary

In this course, you should have learned how to:

- **Control and communicate quality standards**
- **Identify objects for which specification definitions can be written**
- **Describe the application sampling control features**
- **Explain lot control features and functions**
- **Describe reports and inquiries**
- **Describe and set up OPM quality sample workflow**

Copyright © Oracle Corporation, 2000. All rights reserved.