

# Da Vinci Smart Manufacturing

## BRD S08.01 \_Lab Analysis\_Raw\_Material Analysis

| Version | Created/Modified by             | Description        | Date       |
|---------|---------------------------------|--------------------|------------|
| 1.0     | Leopoldo Rivera<br>Sahana Badal | S08.03 First draft | 22/05/2025 |
|         |                                 |                    |            |
|         |                                 |                    |            |

|  |    |
|--|----|
| 1. Raw Material Analysis .....                     | 3  |
| 1.1. Raw Material Analysis List Screen .....       | 3  |
| 1.1.1 Header Section .....                         | 3  |
| 1.2. Add Raw Material Analysis Screen.....         | 7  |
| 1.2.1. Basic Details: .....                        | 7  |
| 1.2.2. Analysis Values Section:.....               | 9  |
| 1.2.3. Action Buttons.....                         | 10 |
| 1.3. Edit Raw Material Analysis .....              | 10 |
| 1.3.1. Basic Details: .....                        | 10 |
| 1.3.2. Analysis Values Section:.....               | 12 |
| 1.3.3. Action Buttons.....                         | 12 |
| 1.4. Add Details Screen .....                      | 13 |
| 1.4.1. Basic Details: .....                        | 13 |
| 1.4.2. Analysis Values: .....                      | 14 |
| 1.4.3. Action Buttons.....                         | 14 |
| 1.5. View Raw Material Analysis .....              | 15 |
| 1.5.1. Header Actions.....                         | 15 |
| 1.5.2. Basic Information Section (Read-Only) ..... | 23 |
| 1.5.3. Analysis Values Section (Read-Only) .....   | 23 |
| 1.6. Mark Tap Analysis record as Rejected .....    | 28 |

## 1. Raw Material Analysis

### 1.1. Raw Material Analysis List Screen

This is designed to provide a comprehensive and user-friendly interface for managing raw material analysis records, including the ability capture, track records in draft (pending) and submitted (complete) states. Below is a detailed layout for this screen.

#### 1.1.1 Header Section

- **Title:** "Raw Material Analysis"
- **Search Bar:** To search by Analysis ID (YY\_MAT ID\_Sample ID)
- **Filters:**
  - Analysis Date and Time
    - Date Range Picker for
  - Status Filter
    - Multiselect Dropdown
    - Draft/Submitted/Rejected
  - Material Type Filter
    - Multiselect Dropdown
    - Values - Quartz, Coal, Coke, Wood, Charcoal
  - Material ID
    - Multiselect Dropdown
    - Material IDs from Analysis table
  - Clear Filter - This will clear all the applied filters
  - All Filter drop downs should be sorted alphabetically / numerically
  - Filter options will not reset unless the user navigates to a different menu or module. This means any filters applied will persist as long as the user remains within the same menu option, ensuring continuity until a module change occurs.
- **Action Buttons in Header:**
  - **Add New Analysis:** Button to create a new analysis record

**1.1.2 Analysis List Section** The main area of the screen will feature a data table displaying the raw material analysis records. The table will have the following columns:

**Table Default Sorting :** Analysis Date and Time in descending order.

- **Material Analysis ID:**
  - A unique System generated ID in the format ( YY\_Material ID\_SampleID)
  - Sorting: Yes
  - Frozen - Yes
- **Material ID:**
  - Entered when creating an analysis record
  - Sorting: Yes
  - Frozen: No
- **Material Name:**
  - Auto-populated based on Material ID
  - Sorting: Yes
  - Frozen: No
- **Material Type :**
  - Shows the Material Type, the material ID belongs to
  - Sorting: Yes
  - Frozen: No
- **Sample Date and Time:**
  - Entered when creating an analysis record
  - Sorting: Yes
  - Frozen: No
- **Sample Type:**
  - Entered when creating an analysis record
  - Sorting: Yes
  - Frozen: No
- **Status:**
  - Draft - During the creation of an analysis record, it can be saved as a draft. This will be indicated by a Draft status.
  - Submitted - During the creation of an analysis record, if the user submits the record, it will be indicated by a Submitted status.
  - Rejected- On the list screen, a user can mark a submitted record as rejected, which will be indicated by a Rejected status
  - Sorting: Yes
  - Frozen: No
- **Note:** Horizontal scroll is required to be able to navigate through all columns and visualize all data but always respecting the frozen columns.
- **Action Buttons:** Based on the status, icon will be displayed on hover:
  - **Draft:**
    - Add Details – Additional details can be included into the analysis record prior to submission.
    - Delete – Selected analysis record will be permanently deleted

Raw Material Analysis    Submitted: 5 | Draft: 5 | Rejected: 35

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    | Action |                   |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|--------|-------------------|
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| Showing 10 of 80 | 1           | 2                 | 3                     | ...         | 8         | >      | Rows Per Page: 10 |

Raw Material Analysis    Submitted: 5 | Draft: 5 | Rejected: 35

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    | Action |                   |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|--------|-------------------|
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |        |                   |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |        |                   |
| Showing 10 of 80 | 1           | 2                 | 3                     | ...         | 8         | >      | Rows Per Page: 10 |

Delete Analysis

Are you sure you want to delete 25\_MB06\_171\_77? This action cannot be reverted.

- View - Record details can be viewed in non-editable mode
- **Submitted:**
  - View – Record details can be viewed in non-editable mode
  - Edit – Record details can be edited
  - Mark as Rejected – Record status can be changed to Rejected
- **Rejected:**
  - View – Record details can be viewed in non-editable mode
- **Pagination Controls:** Navigation buttons to browse through multiple pages of records, if applicable (for more than 10 records).
- Rows Per page : Default 10, Dropdown values: 10, 20, 30, 40, 50
- Once one spout analysis with the same furnace ID, Date and time has been linked, the remaining records with other reprises both in the status New and Draft will be automatically be changed to Rejected status. Once unlinked in production screen, they will revert to New status.

**Export Function:** The export function must extract ALL the information including chemical results of the list of records shown based on the combined results of filter selection, sort and search criteria. as the following example:

| Analysis ID       | Material ID | Material Name        | Material Type | Sample Date & Time    | Sample Type | Status    | Created By              | Modified By             |
|-------------------|-------------|----------------------|---------------|-----------------------|-------------|-----------|-------------------------|-------------------------|
| 25_MH20_217_1234  | MH20_217    | HC Clean Carbon 2/12 | Coal          | 16/06/2025   03:43 AM | Original    | Draft     | super user   super user | super user   super user |
| 25_MB02_170_12122 | MB02_170    | Charbon bois Bosnie  | Charcoal      | 15/05/2025   09:23 AM |             | Submitted | super user   super user | super user   super user |
| 25_MB02_170_9     | MB02_170    | Charbon bois Bosnie  | Charcoal      | 14/05/2025   06:24 AM | Original    | Submitted | super user   super user | sbadal   Saha na Badal  |

**Exported File Name:** DDMMYY\_RawMaterialAnalysis

**Customize Columns:** Users can enable or disable all columns based on their preference. Only the enabled columns will be visible in the list. Columns marked as 'frozen' will be enabled by default and cannot be modified.

The screenshot shows a table titled "Raw Material Analysis" with columns: Analysis ID, Material ID, Material Name, Sample Date & Time, Sample Type, and Status. The table contains 10 rows of data. A modal window titled "Customize Columns" is open on the right, listing all columns with checkboxes indicating they are currently visible.

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Rejected  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Rejected  |
| Showing 10 of 80 | 1           | 2                 | 3                     |             |           |

## 1.2. Add Raw Material Analysis Screen

This screen will allow users to input and manage analysis records, organized into two sections: Basic Information and Analysis Values. Mandatory fields will be marked with an asterisk (\*). Below is a detailed layout incorporating the requirements.

**Header:** Back Icon | Add Raw Material Analysis

### 1.2.1. Basic Details:

- **Material Type\***:
  - A dropdown list to select the type of material.
  - Mandatory - Yes
  - Default value - No
  - Field Type - Single Select Dropdown Values: Charcoal, Coal, Coke, Wood, and Quartz.
  - Validation - No
- **Material ID\***:
  - Mandatory - Yes
  - Default value - No
  - Field Type - Single Select Dropdown
  - Values: Based on the selected Material Type this dropdown is populated with the corresponding active material IDs from the master data.
  - Validation - No
- **Material Name**
  - Auto-populated based on the selected Material ID.
  - Mandatory - Yes
  - Validation: It cannot be edited.
- **Material Description**
  - Auto-populated based on the selected Material ID.

- Mandatory - Yes
    - Validation: It cannot be edited.
- **Batch ID:**
  - User input field to enter the batch ID
    - Mandatory - No
    - Default Value - None
    - Validation - All (Including special characters & space), min 0 max 50 characters, zero and space allowed.
- **Sample Date and Time\*:**
  - Date and time picker to specify when the analysis was conducted.
    - Mandatory - Yes
    - Default value- Current Date and time will be displayed as default.
    - Field Type Single Date and time picker
    - No Validation
- **Sample ID\*:**
  - A user input field to enter the sample ID.
    - Mandatory - Yes
    - Default value- None
    - Validation -Currently: alphanumeric with "-" & "\_" without space. min 1 max 20 characters.
- **Sample Type**
  - Single select Dropdown, Values - Original and Resample
    - Mandatory - No
    - Default value- None
- **Sample Source:**
  - Single select Dropdown, Values: None, Cup, Probe, Cast, Grab, Pile, Bag, Truck, Car, Barge, Container
    - Mandatory - No
    - Default value- None
- **Shipment ID:**
  - A user input field for entering the shipment ID.
    - Mandatory - No
    - Default value- None
    - Validation - All (Including special characters & space), min 0 max 50 characters, zero and space allowed.
- **Comments:**
  - Users can input any additional comments.
    - Mandatory - No
    - Default Value - None
    - Field Validation - All (Including special characters), 100 characters

**Basic Details**

|               |                    |               |                      |
|---------------|--------------------|---------------|----------------------|
| Material Type | Material ID        | Material Name | Material Description |
| Quartz        | Select Material ID |               |                      |

|                |                    |                 |                    |
|----------------|--------------------|-----------------|--------------------|
| Batch ID       | Sample Date & Time | Sample ID*      | Sample Type        |
| Enter Batch ID | Select Date        | Enter Sample ID | Select Sample Type |

|                      |                   |                |
|----------------------|-------------------|----------------|
| Sample Source        | Shipment ID       | Comments       |
| Select Sample Source | Enter Shipment ID | Enter Comments |

**Analysis Values : Chemistry Elements**

| Elements | Analysis Values (%) | Elements | Analysis Values (%) | Elements | Analysis Values (%) |
|----------|---------------------|----------|---------------------|----------|---------------------|
| Al       | 0                   | Hf       | 0                   | S        | 0                   |
| As       | 0                   | Hg       | 0                   | Sb       | 0                   |
| Au       | 0                   | In       | 0                   | Sc       | 0                   |
| B        | 0                   | K        | 0                   | Se       | 0                   |
| Br       | 0                   | La       | 0                   | Tl       | 0                   |
| C        | 0                   | Lu       | 0                   | U        | 0                   |
| Ca       | 0                   | Y        | 0                   | Zr       | 0                   |
| Cl       | 0                   |          |                     |          |                     |
| Cr       | 0                   |          |                     |          |                     |
| Fe       | 0                   |          |                     |          |                     |
| Ge       | 0                   |          |                     |          |                     |
| Li       | 0                   |          |                     |          |                     |
| Mg       | 0                   |          |                     |          |                     |
| N        | 0                   |          |                     |          |                     |
| Nb       | 0                   |          |                     |          |                     |
| Na       | 0                   |          |                     |          |                     |
| P        | 0                   |          |                     |          |                     |
| Pb       | 0                   |          |                     |          |                     |
| Si       | 0                   |          |                     |          |                     |
| Sn       | 0                   |          |                     |          |                     |
| Ta       | 0                   |          |                     |          |                     |
| Tl       | 0                   |          |                     |          |                     |
| V        | 0                   |          |                     |          |                     |
| W        | 0                   |          |                     |          |                     |
| Zr       | 0                   |          |                     |          |                     |

### 1.2.2. Analysis Values Section:

- This section captures specific analysis values, which vary based on the selected Material Type.
- Values for this section is visible once the material type dropdown is selected.
- Mandatory - No
- Default value: 0
- **Chemical Elements:** This section will have user input fields for each chemical element (e.g., Carbon, Nitrogen, etc.) relevant to the selected material type.  
Chemical elements for all raw materials List:  
Fe, Si, C, Mn, Cr, Ni, Mo, V, Ti, Al, W, Nb, Co, Zr, B, P, S, Cu, Sn, Pb, Mg, Ca, Zn, As, Sb, Se, Te, Re, Ta, Hf, Sc, Y, La, Ce, Nd, Pr, Sm, Gd, Dy, Er, Be, Li, Na, K, Sr, Ga, Ge, Cd, In, Hg, Pt, Au
- **Physical Elements:** Physical properties related to the selected material type (e.g., Ash, Moisture, etc.)  
Physical Elements for all raw materials list: Ash, Moisture, Volatiles.
- **Size Analysis:** Size-related analysis for various screen sizes (e.g., > 125mm, > 100mm etc.). The total of all analysis values (expressed as percentages) will be displayed above the size table. For saving as a draft, values between 0% to 100% are accepted. Upon submission, only 0% or 100% is accepted for desired material types that have been configured with sizing elements in the master data. It is not mandatory to capture this on the sizing report.

The screenshot shows the 'Add Raw Material Analysis' screen. At the top, there are input fields for 'Ge' (0) and 'Re' (0). Below this, there are two main sections: 'Analysis Values : Physical Elements' and 'Analysis Values: Size Analysis'. The 'Physical Elements' section contains three tables for 'Ash', 'Moisture', and 'Volatile' elements, each with columns for 'Elements (in %)', 'Low', 'Aim', and 'High'. The 'Size Analysis' section contains two tables for size fractions, each with columns for 'Elements', 'Analysis Values (%)', and 'Elements', 'Analysis Values (%)'. Both sections have rows for various size ranges (e.g., > PAN (mm), > 5 (mm), > 12.50 (mm)) with corresponding percentage values.

### 1.2.3. Action Buttons

- **Save Draft:** Saves the record as a draft (Status: Draft) and validates for a unique analysis ID.
- **Submit:** Submits the record as complete (Status: Submitted) and validates for a unique analysis ID.
- **Cancel:** Cancels the current operation and returns to the list screen

## 1.3. Edit Raw Material Analysis

This screen provides interface for editing existing analysis records, allowing users to update editable fields while keeping essential identifying information non-editable. The ability to save drafts, submit completed records, and view a change history log provides flexibility and transparency in managing the analysis process. Below is a detailed layout incorporating these requirements.

**Header:** Back Icon | Raw Material Analysis ID - 25\_MB02\_170\_12122

### 1.3.1. Basic Details:

- This section captures the essential details about the material being analyzed.
- **Material Type:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Material ID:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No

- Mandatory: Yes
- Material Name:**
    - Non-editable and pre-populated with the existing value.
    - Default value - No
    - Mandatory: Yes
- Material Description:**
    - Non-editable and pre-populated with the existing value.
    - Default value - No
    - Mandatory: Yes
- Sample Date and Time:**
    - Non-editable and pre-populated with the existing value.
    - Default value - No
    - Mandatory: Yes
- Batch ID:**
    - Editable and pre-populated with the existing value.
    - Mandatory - No
    - Default Value - None
    - Validation - All (Including special characters & space), min 0 max 50 characters, zero and space allowed.
- Sample ID:**
    - Non-editable and pre-populated with the existing value.
    - Default value - No
    - Mandatory: Yes
- Sample Type**
    - Editable and pre-populated with the existing value.
    - Single select Dropdown, Values - Original and Resample
    - Mandatory - No
    - Default value- None
- Sample Source:**
    - Editable and pre-populated with the existing value.
    - Single select Dropdown, Values: None, Cup, Probe, Cast, Grab, Pile, Bag, Truck, Car, Barge, Container
    - Mandatory - No
    - Default value- None
- Shipment ID:**
    - Editable and pre-populated with the existing value.
    - Mandatory - No
    - Default value- None
    - Validation - All (Including special characters & space), min 0 max 50 characters, zero and space allowed.
- Comments:**
    - Editable and pre-populated with the existing value.
    - Users can input any additional comments.
    - Mandatory - No
    - Default Value - None
    - Field Validation - All (Including special characters), 100 characters

### 1.3.2. Analysis Values Section:

- Values for this section is visible once the material type dropdown is selected.
- Mandatory - No
- Default value: 0
- **Chemical Elements:** Editable and pre-populated with the existing value.
- **Physical Elements:** Editable and pre-populated with the existing value.
- **Size Specifications:** Editable and pre-populated with the existing value.

### 1.3.3. Action Buttons

- **Save:** Saves the edited record values (Status: Submitted, will have change history recorded)
- **Cancel:** Cancels the current operation and returns to the list screen

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    |  |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|--|
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |  |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |  |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Rejected  |  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Draft     |  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Draft     |  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |  |

Showing 10 of 80 Rows Per Page: 10

**Basic Details**

|               |             |                   |                      |
|---------------|-------------|-------------------|----------------------|
| Material Type | Material ID | Material Name     | Material Description |
| Quartz        | MQ17_312    | Mina Sonia 30/I20 | Mina Sonia 30/I20    |

  

|          |                     |            |             |
|----------|---------------------|------------|-------------|
| Batch ID | Sample Date & Time* | Sample ID* | Sample Type |
| 1        | 15/10/2024 03:14 PM | 999        | Original    |

  

|               |             |                |
|---------------|-------------|----------------|
| Sample Source | Shipment ID | Comments       |
| Car           | SH123       | Enter Comments |

  

**Analysis Values : Chemistry Elements**

| Elements | Analysis Values (%) | Elements | Analysis Values (%) | Elements | Analysis Values (%) |
|----------|---------------------|----------|---------------------|----------|---------------------|
| Al       | 1.8                 | Hf       | 0                   | S        | 0                   |
| As       | 0.2                 | Hg       | 0                   | Sb       | 0                   |
| Au       | 2.0065              | In       | 0                   | Sc       | 0                   |

## 1.4. Add Details Screen

**Header:** Back Icon | Raw Material Analysis ID - 25\_MB02\_170\_12122

### 1.4.1. Basic Details:

- This section captures the essential details about the material being analyzed.
- **Material Type:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Material ID:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Material Name**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Material Description:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Sample Date and Time:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Batch ID:**
  - Editable and pre-populated with the existing value.
  - Mandatory - No

- Default Value - None
  - Validation - All (Including special characters & space), min 0 max 50 characters, zero and space allowed.
- **Sample ID:**
  - Non-editable and pre-populated with the existing value.
  - Default value - No
  - Mandatory: Yes
- **Sample Type**
  - Editable and pre-populated with the existing value.
  - Single select Dropdown, Values - Original and Resample
  - Mandatory - No
  - Default value- None
- **Sample Source:**
  - Editable and pre-populated with the existing value.
  - Single select Dropdown, Values: None, Cup, Probe, Cast, Grab, Pile, Bag, Truck, Car, Barge, Container
  - Mandatory - No
  - Default value- None
- **Shipment ID:**
  - Editable and pre-populated with the existing value.
  - Mandatory - No
  - Default value- None
  - Validation - All (Including special characters & space), min 0 max 50 characters, zero and space allowed.
- **Comments:**
  - Editable and pre-populated with the existing value.
  - Users can input any additional comments.
  - Mandatory - No
  - Default Value - None
  - Field Validation - All (Including special characters), 100 characters

#### 1.4.2. Analysis Values:

- Values for this section is visible once the material type dropdown is selected.
- Mandatory - No
- Default value: 0
- **Chemical Elements:** Editable and pre-populated with the existing value.
- **Physical Elements:** Editable and pre-populated with the existing value.
- **Size Specifications:** Editable and pre-populated with the existing value.

#### 1.4.3. Action Buttons

- **Save:** Saves the edited record values ( Status: Draft)
- **Submit:** Saves the edited record values (Status: Submitted, will have change history recorded)

- **Cancel:** Cancels the current operation and returns to the list screen

The screenshot shows a list of raw material analysis records. The columns include Analysis ID, Material ID, Material Name, Sample Date & Time, Sample Type, and Status. The status column uses color-coded buttons: green for Submitted, yellow for Draft, and red for Rejected. There are also buttons for Share and Export View.

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |

Showing 10 of 80

The screenshot shows the details of a specific raw material analysis record. It includes fields for Basic Details (Material Type, Material ID, Material Name, Material Description, Batch ID, Sample Date & Time, Sample ID, Sample Type) and Analysis Values (Chemistry Elements). The analysis values table shows elements like Al, As, Au, Hf, Hg, In, S, Sb, and Sc with their respective percentage values.

| Elements | Analysis Values (%) | Elements | Analysis Values (%) | Elements | Analysis Values (%) |
|----------|---------------------|----------|---------------------|----------|---------------------|
| Al       | 1.8                 | Hf       | 0                   | S        | 0                   |
| As       | 0.2                 | Hg       | 0                   | Sb       | 0                   |
| Au       | 2.0065              | In       | 0                   | Sc       | 0                   |

## 1.5. View Raw Material Analysis

This screen allows users to **view details** of an existing analysis record. All fields are displayed in **read-only mode** by default. Users have access to additional utilities for editing, exporting, and viewing change history.

### 1.5.1. Header Actions

- Back Icon | Raw Material Analysis ID - 25\_MH20\_217\_1234 | Edit Icon: Allows users to switch from view mode to edit mode to update the record.

- **Export Icon:**

- Enables users to export the analysis details as a CSV file.
- The tooltip should read “Download CSV”.
- Downloads the record in CSV format.
- This option is not available for records in Draft status.
- The file must include the following headers and display the values as the following example:
- **Export File Name:** Composed by the following elements:
  - Raw Material Analysis ID
  - “Results”
- Example: 25\_MH20\_217\_1234\_Results

| Element Group      | Element | Analysis Values (%) | Modified By             | Modified At           | Created By              | Created At            |
|--------------------|---------|---------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Chemistry Elements | Al      | 888                 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | As      | 0                   | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Au      | 0                   | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | B       | 0                   | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Be      | 0                   | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                    |    |   |                         |                       |                         |                       |
|--------------------|----|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                    |    |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Chemistry Elements | C  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ca | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Cd | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ce | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Co | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Cr | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Cu | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Dy | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                    |    |   |                         |                       |                         |                       |
|--------------------|----|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                    |    |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Chemistry Elements | Er | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Fe | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ga | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Gd | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ge | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Hf | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Hg | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | In | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                    |    |   |                         |                       |                         |                       |
|--------------------|----|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                    |    |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Chemistry Elements | K  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | La | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Li | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Mg | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Mn | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Mo | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Na | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Nb | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                    |    |   |                         |                       |                         |                       |
|--------------------|----|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                    |    |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Chemistry Elements | Nd | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ni | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | P  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Pb | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Pr | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Pt | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Re | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | S  | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                    |    |   |                         |                       |                         |                       |
|--------------------|----|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                    |    |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Chemistry Elements | Sb | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Sc | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Se | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Si | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Sm | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Sn | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Sr | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ta | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                    |     |   |                         |                       |                         |                       |
|--------------------|-----|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                    |     |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Chemistry Elements | Te  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Ti  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | V   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | W   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Y   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Zn  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Chemistry Elements | Zr  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Physical Elements  | Ash | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                     |             |   |                         |                       |                         |                       |
|---------------------|-------------|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                     |             |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Physical Elements   | Moisture    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Physical Elements   | Volatiles   | 7 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 1 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 2 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 3.15 (mm) | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 4 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 5 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 6.30 (mm) | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                     |              |   |                         |                       |                         |                       |
|---------------------|--------------|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                     |              |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Size Specifications | > 8 (mm)     | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 9.50 (mm)  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 10 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 12.50 (mm) | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 16 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 19 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 25 (mm)    | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 30 (mm)    | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|                     |             |   |                         |                       |                         |                       |
|---------------------|-------------|---|-------------------------|-----------------------|-------------------------|-----------------------|
|                     |             |   | super user              | 09:24 AM              | super user              | 09:24 AM              |
| Size Specifications | > 37.5 (mm) | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 50 (mm)   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 63 (mm)   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 80 (mm)   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 90 (mm)   | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 100 (mm)  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > 125 (mm)  | 0 | super user   super user | 15/05/2025   09:24 AM | super user   super user | 15/05/2025   09:24 AM |
| Size Specifications | > PAN (mm)  | 0 | super user              | 15/05/2025            | super user              | 15/05/2025            |

|  |  |  |            |          |            |          |
|--|--|--|------------|----------|------------|----------|
|  |  |  | super user | 09:24 AM | super user | 09:24 AM |
|--|--|--|------------|----------|------------|----------|

- **View Change History:** This button opens a modal or section showing a chronological list of all changes made to the record, including:
  - Timestamp of change
  - Field(s) modified
  - Previous and updated values
  - Name of the user who made the change
  - **This option is not available for records in Draft status.**
- **Export Icon - Downloads the records in CSV format, the tooltip should read “Download CSV”.**

#### **1.5.2. Basic Information Section (Read-Only)**

- Material Type
- Material ID
- Material Name
- Material Description
- Sample Date & Time
- Sample ID
- Sample Type
- Sample Source
- Batch ID
- Shipment ID
- Comments

#### **1.5.3. Analysis Values Section (Read-Only)**

This section shows the essential details and analysis values about the material being analyzed recorded in the add analysis screen. All fields are non-editable.

All values are formatted up to **four decimal places and three integers up to 100**, max value capped at **100.0000**.

**Raw Material Analysis** Submitted | 5 Draft | 5 Rejected | 35

**View**

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Rejected  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/120 | 15/10/2024   03:14 PM | Original    | Rejected  |

Showing 10 of 80 < 1 2 3 ... 8 > Rows Per Page : 10

**Raw Material Analysis ID - 24\_MQ17\_312\_999** View Change History

**Basic Details**

|               |                       |                   |                      |
|---------------|-----------------------|-------------------|----------------------|
| Material Type | Material ID           | Material Name     | Material Description |
| Quartz        | MQ17_312              | Mina Sonia 30/120 | Mina Sonia 30/120    |
| Batch ID      | Sample Date & Time    | Sample ID         | Sample Type          |
| 1             | 15-10-2024   03:14 PM | 999               | Original             |
| Sample Source | Shipment ID           | Comments          |                      |
| Car           | SH123                 |                   |                      |

**Analysis Values : Chemistry Elements**

| Elements | Analysis Values (%) | Elements | Analysis Values (%) | Elements | Analysis Values (%) |
|----------|---------------------|----------|---------------------|----------|---------------------|
| Al       | 1.8                 | Hf       | 0                   | S        | 0                   |
| As       | 0.2                 | Hg       | 0                   | Sb       | 0                   |
| Au       | 2.0065              | In       | 0                   | Sc       | 0                   |
| B        | 0.9935              | K        | 0                   | Se       | 0                   |
| Be       | 94.55               | La       | 0                   | Si       | 0                   |
| C        | 0.45                | Li       | 0                   | Sm       | 0                   |

| Date                   | Username       | Element                  | Old | New  |
|------------------------|----------------|--------------------------|-----|------|
| 05/01/2025<br>09:00 AM | JSmithOperator | Al                       | 0   | 1.9  |
| 04/01/2025<br>09:00 AM | superadmin     | Ca                       | 0   | 1    |
|                        |                | Al                       | 0   | 1    |
| 02/01/2025<br>07:00 AM | superadmin     | Coarse Particles (>45um) | 0   | 2.45 |
| 01/01/2025<br>09:00 AM | superadmin     | Cl                       | 0   | 1    |

## 1.6. Mark Analysis record as Rejected

Some records with the status “Submitted” can be manually marked as “Rejected” using a designated icon in the list view.

When selected, a confirmation popup will appear with the message:

**“Are you sure you want to mark record 25\_MB02\_170\_12122 as Rejected? This action cannot be reverted.”**

**Only roles with delete option will be able to Mark an analysis record as rejected.**

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MB02_216_1245 | MB02_216    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQ17_312_999  | MQ17_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |

The screenshot shows a table of raw material analysis data with columns for Analysis ID, Material ID, Material Name, Sample Date & Time, Sample Type, and Status. A modal window titled "Mark as Rejected" is open over the table, asking for confirmation to mark a specific row as Rejected. The row in question has Analysis ID 24\_MQI7\_312\_999, Material ID MQI7\_312, and Material Name Mina Sonia 30/I20.

| Analysis ID      | Material ID | Material Name     | Sample Date & Time    | Sample Type | Status    |
|------------------|-------------|-------------------|-----------------------|-------------|-----------|
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MH36_315_66   | MH36_315    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MBO2_218_1245 | MB02_216    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Draft     |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Submitted |
| 24_MQI7_312_999  | MQI7_312    | Mina Sonia 30/I20 | 15/10/2024   03:14 PM | Original    | Rejected  |

Showing 10 of 80

**\* Across the system, time is stored in the database in UTC format and presented on the frontend in the plant's time zone. It is assumed that the time displayed in the X-ray files is also in the plant's time zone.**