

Table Name	Data Element
Products	id
Products	name
Products	origin
Products	variety
Products	harvest_date
Products	certifications
Products	created_at
Products	updated_at
Product_Batches	batch_id
Product_Batches	product_id
Product_Batches	lot_number
Product_Batches	barcode
Product_Batches	created_at
Product_Batches	updated_at
Quality_Control_Inspection	id
Quality_Control_Inspection	batch_id
Quality_Control_Inspection	stage
Quality_Control_Inspection	inspection_result
Quality_Control_Inspection	check_date
Temperature_Humidity	id
Temperature_Humidity	batch_id
Temperature_Humidity	temperature
Temperature_Humidity	humidity
Temperature_Humidity	recorded_at
Affected_Batches	id
Affected_Batches	batch_id
Affected_Batches	issue_description
Affected_Batches	distribution_point
Affected_Batches	affected_at

Description	Data Type
Unique identifier for the product	INT
Name of the product	VARCHAR(255)
Origin of the product	VARCHAR(255)
Variety of the product	VARCHAR(255)
Harvest date of the product	DATE
Certifications associated with the product	VARCHAR(255)
Timestamp when the product was created	TIMESTAMP
Timestamp when the product was last updated	TIMESTAMP
Unique identifier for the product batch	INT
The product associated with the batch	INT
Lot number of the product batch	VARCHAR(255)
Barcode for the product batch	VARCHAR(255)
Timestamp when the batch was created	TIMESTAMP
Timestamp when the batch was last updated	TIMESTAMP
Unique identifier for the inspection	INT
The batch being inspected	INT
Stage of inspection	VARCHAR(255)
Inspection result	TEXT
Timestamp when the inspection was performed	TIMESTAMP
Unique identifier for the temperature/humidity record	INT
The batch associated with the record	INT
Recorded temperature for the batch	DECIMAL(5, 2)
Recorded humidity for the batch	DECIMAL(5, 2)
Timestamp when the temperature/humidity was recorded	TIMESTAMP
Unique identifier for the affected batch	INT
The batch identifier	INT
Description of the issue	TEXT
Distribution point of the batch	VARCHAR(255)
Timestamp of when the issue was detected	TIMESTAMP

## Constraints

AUTO\_INCREMENT, PRIMARY KEY

NOT NULL

NOT NULL

NOT NULL

NOT NULL

DEFAULT CURRENT\_TIMESTAMP

DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

AUTO\_INCREMENT, PRIMARY KEY

NOT NULL, FOREIGN KEY (Products)

NOT NULL, UNIQUE

NOT NULL, UNIQUE

DEFAULT CURRENT\_TIMESTAMP

DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

AUTO\_INCREMENT, PRIMARY KEY

NOT NULL, FOREIGN KEY (Product\_Batches)

NOT NULL

NOT NULL

DEFAULT CURRENT\_TIMESTAMP

AUTO\_INCREMENT, PRIMARY KEY

NOT NULL, FOREIGN KEY (Product\_Batches)

NOT NULL

NOT NULL

DEFAULT CURRENT\_TIMESTAMP

AUTO\_INCREMENT, PRIMARY KEY

NOT NULL, FOREIGN KEY (Product\_Batches)

NOT NULL

NOT NULL

DEFAULT CURRENT\_TIMESTAMP