

Overview

Tayana Process Manufacturing

Target Industries

Process Manufacturing – Industries and Sectors

Target Industry



Food &
Beverages

Chemicals



Pharmaceuticals

Metals



Industry Sectors

Food

- General Food
- Bakeries
- Beverages
- Dairy
- Fruits & Vegetables
- Canned & Frozen Food
- Dressings & Sauces
- Seasonings & Additives
- Seafood
- Edible Oil & Fats
- Beer
- Meat & Poultry
- Packaged Food
- Organic Certified Food
- Fresh Produce
- Candy & Confectionery
- Sweets
- Chocolates
- Pet Food

Chemicals

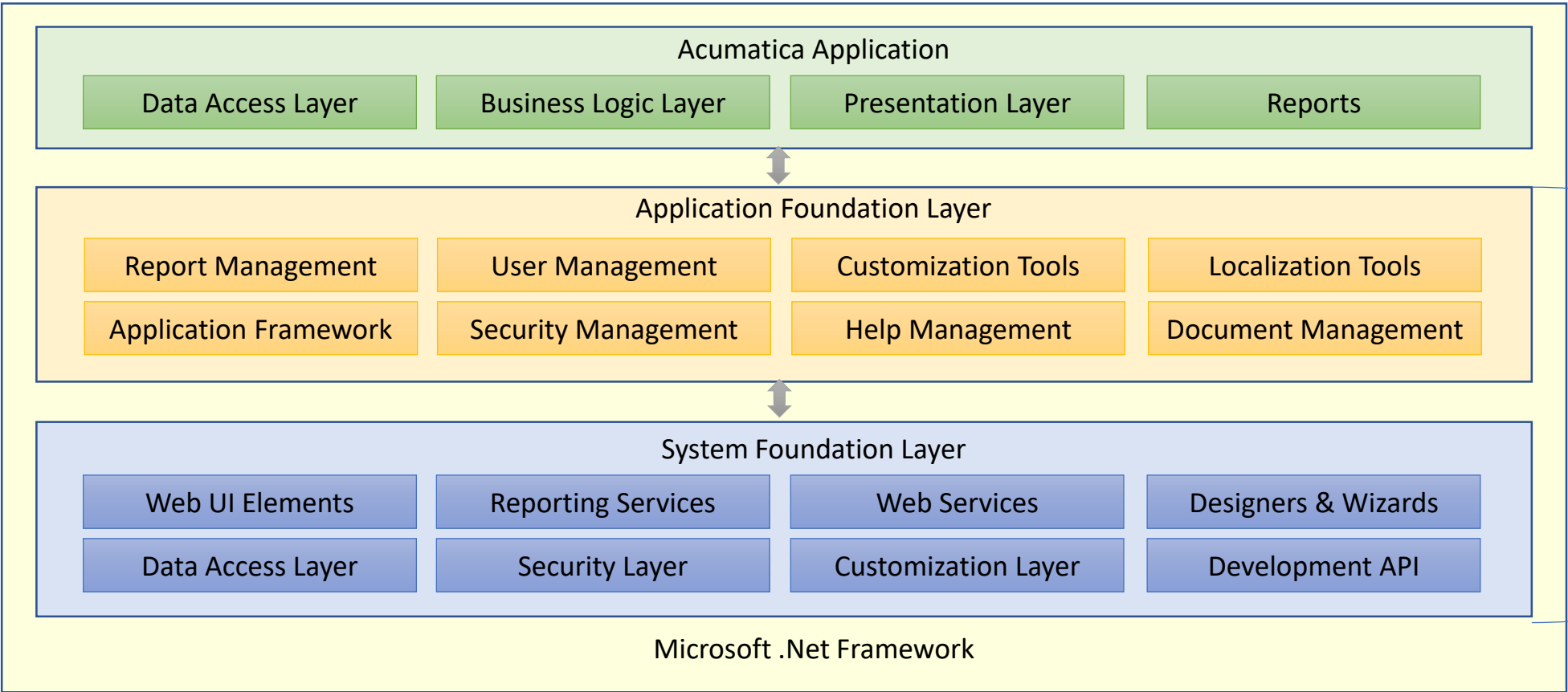
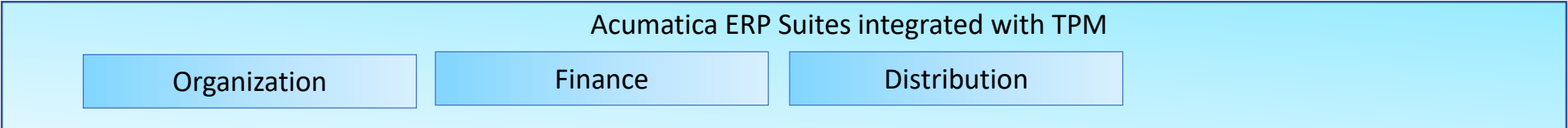
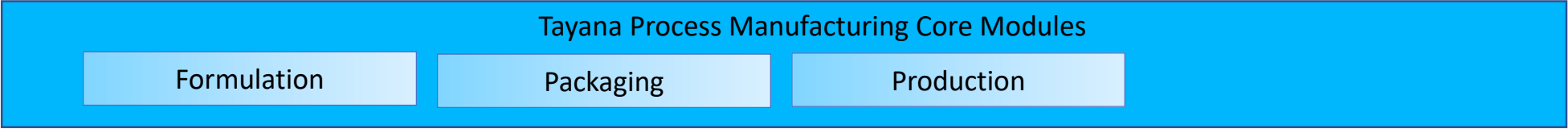
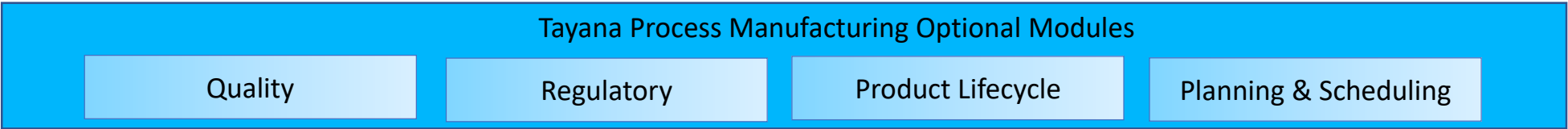
- Paints & Coatings
- Ink
- Paper & Packaging
- Pigments/Dyes
- Fuel & Lubricants
- Cement
- Oil & Gas
- Personal Care & Cosmetics

Pharma & Nutra

- Life Sciences
- Bio-Pharma
- Bulk Drugs
- Nutraceutical
- Veterinary
- Medical Devices

Acumatica Architecture

Tayana Process Manufacturing – Embedded Solution



Popping Corn Formula



Ingredient for Popping Corn

Full Corn with Kernel having 12.5 - 13.5% Moisture

Popping Corn



Popping Corn in a Container

Microwave Popcorn Formula



Ingredient for Microwave Popcorn

1. Popping Corn
2. Salt
3. Citric Acid
4. Palm Oil
5. Butter
6. TBHQ – Preservative
7. Artificial Flavor
8. Annatto Color

Microwave Pop Corn



Bill of Material – MWXBMINI - 1 Pack having 32Gms of Microwave Popcorn



1. Paper bag - Mini
2. Plastic Wrap - Mini
3. Label
4. Formula for Microwave Popcorn is linked to this BOM

Bill of Material – MWXB3MINI 1 Box having 3 Packs of MWXBMINI Mini Microwave Popcorn

1. Xtreme Butter Carton Box – 3 Mini
2. Labels/Sticker
3. Sticking Glue
4. 3 packs of MWXBMINI



Formulation

Formula Features

Features of Formulation

Revision Controlled

Multilevel Workflow

Formulas/Recipes for Product, separated from Packaging

Product & Co-Products

By-Products

Scrap/Quarantine

Consumables

Substitution Rules

Ingredient Composition in Percentage & Values

Embedded Manufacturing Instructions

Intermediates & Multi Level Formulas

Routing with Material, Equip, SOP, Labor, Text

UOM in Weight & Volume

Formula Process Loss/Gain

Formula Ingredient Loss/Gain

Physical Properties

Lot Strength/Potency

Scaling

Premixing Materials

Economic Batch Quantity

Costs Std & Overheads

Formula Comparison & Analysis

Storage Conditions

Formula Certifications

Formula Licenses

Labeling e.g. FDA

Allergens & Ingredients

Backflush Materia/OH

Backflush Machine/Labor/OH

Embedded Quality Control

Embedded Compliance

Dynamic Reformulation

Embedded Product Lifecycle

Row level Security (Facilitates Formula Secrecy)

Formulation

Multi-level Example for Food Industry – Popcorn

Formula for Popping Corn - Intermediate



Ingredient for Popping Corn

Full Corn with Kernel having 12.5 - 13.5% Moisture



Products Wholesale ▾ Formula Master ★

NOTES FILES CUSTOMIZATION

ACTIONS ▾ RE-CALCULATE COST

Formula ID:	<input type="text" value="000082 - POPPING"/>	Inventory ID:	<input type="text" value="POPPINGCOR - PC"/>	SUMMARY	
Status:	<input checked="" type="checkbox"/> Hold	* Formula Type:	<input type="text" value="INTERMEDIATE GC"/>		Products Count: <input type="text" value="1"/>
Formula Class:	<input type="text" value="CLASS2 - Food"/>	Formula Define By:	<input type="text" value="Specific Unit"/>		Co-Products Count: <input type="text" value="0"/>
* Revision Nbr.:	<input type="text" value="A"/>	Product Manager:	<input type="text" value="EP00000001 - Andn"/>		By-Products Count: <input type="text" value="3"/>
Eff Start Date:	<input type="text" value="10/11/2018"/>	Product Workgroup:	<input type="text" value=""/>		Ingredients Count: <input type="text" value="7"/>
Eff End Date:	<input type="text" value="10/11/2018"/>	Owner:	<input type="text" value=""/>		Total Weight: <input type="text" value="5.000000"/>
Description:	<input type="text" value="POPPING CORN"/>				Total Volume: <input type="text" value="5.000000"/>

GENERAL PRODUCTS AND CO-PRODUCTS BY-PRODUCTS CONSUMABLES **INGREDIENTS AND ROUTE** REVISION ALLERGENS STORAGE CONDITIONS RESOURCE ATTRIBUTES COSTING COSTING SUMMARY

REF DESIGNATORS

	*Item Type	*Item	Description	Allow Substitute	Warehouse ID	Issue Location	Required Qty	Require Qty Unit	Base Required Qty	Base Unit	Volume %	Weight %	Process Cell Time ID
	INV	FULLCORN	Full Corn with Kernal having 12.5 - 13.5%	<input type="checkbox"/>	HQ Retail War...	Storage and re...	10.00	KG	10.00	GM	0.000000	100.000000	
	EQP	SCALPER	The scalper strips the kernels from the cobs	<input type="checkbox"/>			0.00		0.00		0.000000	0.000000	
	EQP	CRONCLEAN	Corn Cleaning-cleaner and de-stoner	<input type="checkbox"/>			0.00		0.00		0.000000	0.000000	
	EQP	METALBRUPOLI...	Corn Kernal Metal Brush Polisher-Remove the chaff	<input type="checkbox"/>			0.00		0.00		0.000000	0.000000	
	EQP	GRAVITYSEPAR...	Corn Kernal Gravity Separator Light - Property Dried; Heavy - D...	<input type="checkbox"/>			0.00		0.00		0.000000	0.000000	
	EQP	FANNINGMILL	Corn Kernal Fanning Mill Equipment-	<input type="checkbox"/>			0.00		0.00		0.000000	0.000000	
	INV	PRESERVATI	Preservative - treated with a natural, inert fumigant to eliminate i...	<input type="checkbox"/>	HQ Retail War...	Storage and re...	10.00	GM	0.01	GM	0.000000	0.099900	

Formula for Microwave Popcorn



Ingredient for Microwave Popcorn

Popping Corn

Salt

Citric Acid

Palm Oil

Butter

TBHQ – Preservative

Artificial Flavor

Annatto Color



Products Wholesale ▾ Formula Master ★

🗑️ ↶️ + 🗑️ ↷️ ⏪ ⏩ ACTIONS ▾ RE-CALCULATE COST

Formula ID:	FR000007 - MICRO	Inventory ID:	MICWAVPOPC - Mi	SUMMARY
<input checked="" type="checkbox"/> Hold		* Formula Type:	FINISHED GOODS	Products Count: 1
Status:	On Hold	Formula Define By:	Weight %	Co-Products Count: 0
Formula Class:	CLASS2 - Food	Product Manager:	EP00000001 - Andn	By-Products Count: 0
* Revision Nbr.:	A	Product Workgroup:		Ingredients Count: 20
Eff Start Date:	9/27/2018	Owner:	EP00000005 - Berni	Total Weight: 100.000000
Eff End Date:	9/28/2018			Total Volume: 3.520000
Description:	MICROWAVE Extreme Butter 3 CNT Mini for 100 GMs			

GENERAL PRODUCTS AND CO-PRODUCTS BY-PRODUCTS CONSUMABLES **INGREDIENTS AND ROUTE** REVISION ALLERGENS STORAGE CONDITIONS RESOURCE ATTRIB

Item	Type	Item	Description	Allow Substitute	Warehouse ID	Issue Location	Required Qty	Default Damage Locatior	Require Qty Unit	Base Required Qty
INV		POPPINGCOR	POPPING CORN	<input type="checkbox"/>	HQ Retail War...	Storage and re...	100.00		GM	0.10
INV		PALMOIL	PALM OIL	<input type="checkbox"/>	HQ Retail War...	Storage and re...	20.00		LITER	20.00
INV		SALT	Salt	<input type="checkbox"/>	HQ Retail War...	Storage and re...	0.50		GM	0.00
INV		NATARTFLVR	NATURAL AND ARTIFICIAL FLAVOR	<input type="checkbox"/>	HQ Retail War...	Storage and re...	10.00		GM	0.01
INV		COLRANNATO	COLOR-Annatto	<input type="checkbox"/>	HQ Retail War...	Storage and re...	10.00		GM	0.01
INV		CITRICACID	CITRIC ACID	<input type="checkbox"/>	HQ Retail War...	Storage and re...	10.00		GM	0.01
INV		BUTTER	Butter	<input type="checkbox"/>	HQ Retail War...	Storage and re...	30.00		GM	0.03
SOP		COATEDKERNELS	Bring the Coated kernels to the Popping Table via the catch pans	<input type="checkbox"/>			0.00			0.00

Product Costing Quality Control Compliance WFS WRF LFM DC

Revision Two HQ Item Physical Property

* Item ID: GREENPEPPE - Green P
Description: Green Peppers

Property ID	Description	Value
VitaminC	Vitamin C	157%
VitaminB6	Vitamin B6	16%
VitaminA	Vitamin A	16%
Folate	Folate	11%
Molybdenum	Molybdenum	10%
VitaminE	Vitamin E	10%
Fiber	Fiber	7%
PantoAcid	Pantothenic Acid	6%
Potassium	Potassium	6%
VitaminB3	Vitamin B3	6%
VitaminB2	Vitamin B2	6%
VitaminK	Vitamin K	5%
Manganese	Manganese	5%
VitaminB1	Vitamin B1	4%
Phosphorus	Phosphorus	3%
Magnesium	Magnesium	3%

Nutrition Facts
8 Serving Per Container
Serving Size 2/3 Cup (55 g)

Amount Per Serving
Calories 230

% Daily Values*

Total Fat 8g	10%
Saturated Fat 1g	5%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 160g	7%
Total Carbohydrate 37g	13%
Dietary Fiber 4g	14%
Total Sugars 12g	
Includes 10g Added Sugars	20%
Protein 3g	
Vitamin D 2mcg	10%
Calcium 260mg	20%
Iron 8mg	45%
Potassium 235mg	6%

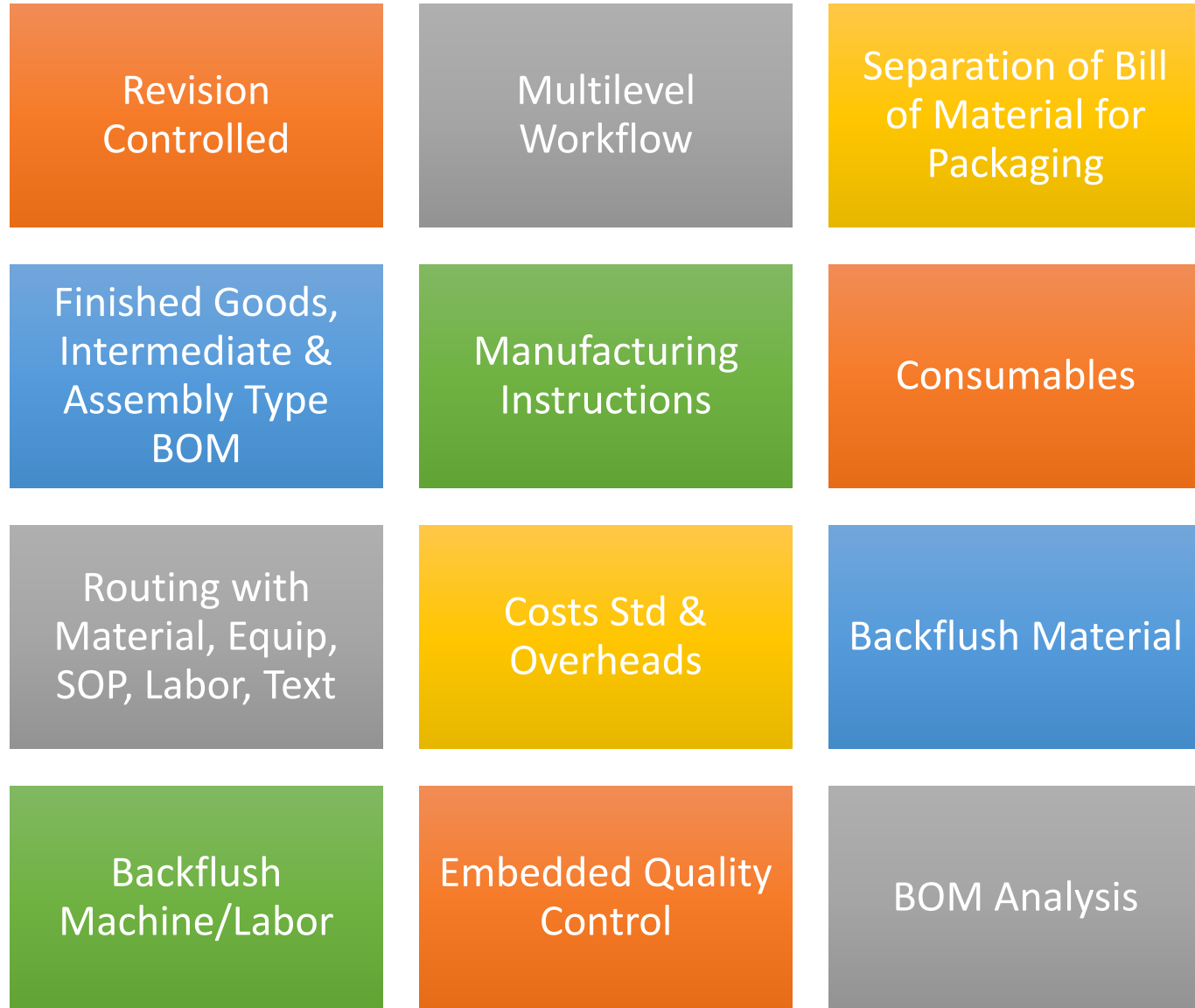
* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used as the general nutrition advice.

Item Properties

Packaging Configuration

Bill of Material with Multilevel Definition

Bill of Material



Packaging

Bill of Material – Multi Level Example – Popcorn Single Pack and 3 Pack Box

Bill of Material for 1 Pack Microwave Popcorn



Bill of Material for 15 Gm Pack Mini Microwave Popcorn - MWXBMINI



Paper bag – Mini
Transparent Plastic Wrap – Mini
Formula for Microwave Popcorn

BOM ID:	<input type="text" value="BOM1027"/>	Inventory ID:	<input type="text" value="MICWAVPOPC - Microwave"/>	Assembly Type:	<input type="text" value="Intermediate"/>
	<input checked="" type="checkbox"/> Hold	Formula ID:	<input type="text" value="FR000007"/>	Batch Size:	<input type="text" value="1.00"/>
Status:	<input type="text" value="On Hold"/>	Revision ID:	<input type="text" value="1"/>	Process Loss %:	<input type="text" value="0.00"/>
BOM Class:	<input type="text"/>	WAREHOUSE DEFAULTS		Scrap %:	<input type="text" value="0.00"/>
BOM Revision ID:	<input type="text" value="A"/>	Warehouse:	<input type="text" value="RETAIL - HQ Retail Wareho"/>	Product Manager:	<input type="text" value="EP00000004 - Becher Josep"/>
* Eff Start Date:	<input type="text" value="10/11/2018"/>	Default Receipt To:	<input type="text" value="STORAGE - Storage and rex"/>	Product Workgroup:	<input type="text"/>
* Eff End Date:	<input type="text" value="10/11/2018"/>	Default Issue From:	<input type="text" value="STORAGE - Storage and rex"/>	Owner:	<input type="text" value="EP00000001 - Andrews Micl"/>
Base Unit:	<input type="text"/>	<input type="checkbox"/> Allow Component Addition			
Description:	<input type="text" value="1 Pack having 32Gms of Microwave Popcorn -"/>				
Notes:	<input type="text"/>				

Planned Inventory Cost:	<input type="text" value="17.00"/>	Planned Labour OH Cost:	<input type="text" value="0.00"/>
Planned Inventory OH Cost:	<input type="text" value="0.00"/>	Planned Equipment Cost:	<input type="text" value="0.00"/>
Planned Labour Cost:	<input type="text" value="0.00"/>	Planned Equipment OH Cost:	<input type="text" value="0.00"/>

LineNbr	Line Order	Item ID	*Item Type	Description	Allow Substitute	Warehouse ID	Location Issue From	Compor BOM ID	Process Cell Time ID	Process Cell Time Hours	Labor Time Hours	Required Qty	Require Unit	Base Required Qty	Base Unit	Weight %	Volume
1	1	INV	POPCNBRBGM	Popcorn Brown bag - Mini	<input type="checkbox"/>	VA Wholesale...	MAIN			00:00	00:00	1.00	EA	1.00	EA		
2	2	INV	TRAPLSTCRM	Transparent Plastic Cover -...	<input type="checkbox"/>	VA Wholesale...	MAIN			00:00	00:00	1.00	EA	1.00	EA		
3	3	INV	LBEXBM	Labels/Sticker - Extreme But...	<input type="checkbox"/>	VA Wholesale...	MAIN			00:00	00:00	1.00	EA	1.00	EA		

Bill of Material for 32 Gm Pack Mini Microwave Popcorn



Bill of Material for 32 Gm Pack Mini Microwave Popcorn



3 X MWXBMINI
Labels
Stickers

Products Wholesale ▾ Bill of Material ★

⏪ ⏩ + - 🗑️ 📄 ⏪ ⏩ ACTIONS ▾ REPORTS ▾

BOM ID:	<input type="text" value="MWXB3MI"/>	Inventory ID:	<input type="text" value="PAPBTCAM3C - Popcorn B"/>	Assembly Type :	<input type="text" value="Assembly"/>
<input type="checkbox"/> Hold		Formula ID:	<input type="text"/>	Batch Size:	<input type="text" value="1.00"/>
Status:	<input type="text" value="Active"/>	Revision ID:	<input type="text"/>	Fill Level:	<input type="text" value="3.00"/>
BOM Class:	<input type="text" value="BOM2"/>	WAREHOUSE DEFAULTS		Fill Unit:	<input type="text" value="EA"/>
BOM Revision ID:	<input type="text" value="A"/>	Warehouse:	<input type="text" value="RETAIL - HQ Retail Wareho"/>	Process Loss %:	<input type="text" value="0.00"/>
* Eff Start Date:	<input type="text" value="9/26/2018"/>	Default Receipt To:	<input type="text" value="STORAGE - Storage and ret"/>	Scrap %:	<input type="text" value="0.00"/>
* Eff End Date:	<input type="text" value="9/26/2018"/>	Default Issue From:	<input type="text" value="STORAGE - Storage and ret"/>	Product Manager:	<input type="text" value="EP00000001 - Andrews Mic"/>
Base Unit:	<input type="text" value="BOX"/>			Product Workgroup:	<input type="text"/>
				Owner:	<input type="text"/>
				<input type="checkbox"/> Allow Component Addition	

Description:

Notes:

MATERIALS CONSUMABLES COSTING REVISION ATTRIBUTES COSTING SUMMARY

Planned Inventory Cost:	<input type="text" value="17.00"/>	Planned Labour OH Cost:	<input type="text" value="0.00"/>
Planned Inventory OH Cost:	<input type="text" value="0.00"/>	Planned Equipment Cost:	<input type="text" value="0.00"/>
Planned Labour Cost:	<input type="text" value="0.00"/>	Planned Equipment OH Cost:	<input type="text" value="0.00"/>

REF DESIGNATORS ⏪ ⏩ ⏴ ⏵ ⏶ ⏷

LineNbr	Line Order	Item ID	*Item Type	Description	Allow Substitute	Warehouse ID	Location Issue From	Comp BOM ID	Process Cell Time ID	Process Cell Time Hours	Labor Time Hours	Required Qty	Require Unit	Base Required Qty	Base Unit	Weight %
1		INV	POPCNBRBGM	Popcorn Brown bag - Mini	<input type="checkbox"/>	HQ Retail War...	Storage...					1.00	EA	1.00		1.00
2		INV	TRAPLSTCRM	Transparent Plastic Cover -...	<input type="checkbox"/>	HQ Retail War...	Storage...					1.00	EA	1.00		1.00

Production Execution

Batch Order & Batch Ticket

Batch Automation

Dynamic Scaling

Material Issue, Receipt, Return, Adjustments, Labor Postings – Material & GL Postings

Batch Reversals & Close

Integration with Sales, Purchase, CRM

Embedded Quality & Regulatory

Production

Production Overview

- Batch Sources
 - Sales to Production Order
 - Direct Production Order
- Batch Automation
- Handle Product, Co-Products and By-Products
- Handles Batches with Multiple FG Packaging
- Contract Manufacturing/Outside Processing

Production Order

- Batch Order
 - Type – Mix/Blend, Fill, Quality Rework Orders
- Batch Ticket
- Batch Automation – Sub Batches

Utilities

- Dynamic Batch Scaling
- Adjust Formula Qty based on Potency or Strength of Lot
- Substitute Materials
- Allocation of Lot Nbr & Tracking – Lot Traceability
- Embedded Quality Control
- Material Shortage Analysis
- Batch Reversal
- Batch Close

Production Transactions

- Ingredient & Consumables Material Issue, Production Picklist
- Intermediates & Finished Goods Material Receipt
- Labor & Machine
- Ingredient & Consumables Return
- Adjustments

Acumatica Module Integration

- Sales Order Integration
- Purchase Order/Requisition Integration
- Opportunity/Cases for Sample Production Order

TPM Module Integration

- Quality
- Regulatory

Production Order

Acumatica ORGANIZATION FINANCE DISTRIBUTION PRODUCTION CONFIGURATION SYSTEM HELP 10/11/2018 3:25 PM

BOM Formulation Production Costing Quality Control Compliance MPS MRP TPM Bot Configuration

Products Wholesale - Production Order Maintenance

NOTES FILES CUSTOMIZATION

ACTIONS

* Order Type: PO * Batch Type: Mix Process Center:
Production Nbr: 000138 * Formula ID: FR000007 - MICROWAV Process Center ID:
 Hold Revision ID: A Parent Order Type:
Status: Planned * Batch Use: Production Parent Order ID:
 Approved Fixed Production Lead Time
* Production Date: 10/11/2018 Product Workgroup: Assembly and Production
Description: Micro Wave Pop Corn Product Manager: EP00000005 - Bernia Mari

GENERAL FINISHED GOODS ORDER SUMMARY RELATION ORDER ACTIVITIES

Inventory ID	Status	Line Nbr	Produce Unit	Std Yield Qty	Product Actual Qty	Completed Qty	Base Std Qty	Base Actual Qty	Base Completed Qty	Fill Level	Fill Unit
MICWAVPOPC	Compl...	1	KG	4.50	4.50	0.00	4.50	4.50	0.000000	32.000000	GM

Products Wholesale - Production Ticket

Order Type: PO
 Production Nbr: 000136
 Status: On Hold
 Production Date: 10/11/2018
 Description: MicroWave Pop Corn

Batch Type: Mix
 Formula ID: FR000007 - MICROWAV
 Revision ID: A

Process Center:
 Process Center ID:
 Demand Type: SalesOrder
 Parent Order Type: PO
 Parent Order ID:

GENERAL FORMULA FINISHED GOODS CONSUMABLES BY PRODUCTS

Product Quantity: 4.50
 Order Weight: 0.00
 Completed Quantity: 4.50
 Order Volume: 0.00
 Scrapped Quantity: 4.50
 Batch Weight: 0.00
 Base Product Quantity: 4.50
 Batch Volume: 0.00
 Base Completed Qty: 4.50
 Produced Weight: 0.00
 Base Scrapped Quantity: 4.50
 Produced Volume: 0.00
 Density Override: 0.00
 Theoretical Density: 0.00

Produced Unit: GM
 From Location:
 To Location:
 Scrap Override
 Scrap Warehouse:
 WIP Comp: 0.00
 WIP Total: 0.00

FINANCIAL SETTINGS

WIP Account: 12400 - Work in Progress In
 WIP Subaccount: 000-000 - Default
 WIP Variance Account: 12500 - WIP Variance
 WIP Variance Subaccount: 000-000 - Default

Products Wholesale - Material Issue

Transaction Nbr: CM000136
 Status: Balanced
 Date: 10/12/2018
 Production Order: 000136

Orig Batch Nbr:
 Orig Doc Type:
 Doc Type: Material Issue
 Description: Issue for Material - Intermediate Popping Corn

Total Qty.: 0.000000
 Total Amount: 100.00

ALLOCATIONS

Inventor ID	Tran Date	Description	Expire Date	Warehouse	Location ID	Lot/Serial Nbr.	UOM
POPP...	10/12/2018	POPPING CORN	11/29/2018	RETAIL	STORAGE		KG

ALLOCATIONS

Assigned Qty.: 0.00
 Start Lot/Serial Number: SRF000013
 Apply Attribute from First

Location ID	Expiration Date	Lot/Serial Nbr.	Qty	UOM
Row 1...		SRF000012	1.000000	EA

Attributes

Attribute	Requ	Value
Classifica...	1	2
Color		Red

Products Wholesale - Production Labor

Transaction Nbr: CM000136
 Status: Balanced
 Date: 10/12/2018
 Production Order: 000136

Total Qty.: 0.000000
 Doc Type: Labor

ALLOCATION ATTRIBUTES

Inventory ID	Labor Type	Labor Code	Employee ID	Shift ID	Labor Time	Labor Rate
	Direct	DIRLAB	EP00000001	SHIFT1	01:30	35.00

Products Wholesale - Material Receipt

Transaction Nbr: CM000136
 Status: Balanced
 Date: 10/12/2018
 Post Period: 10-2018
 Description: Popcorn 3 Pack - 45 Batch

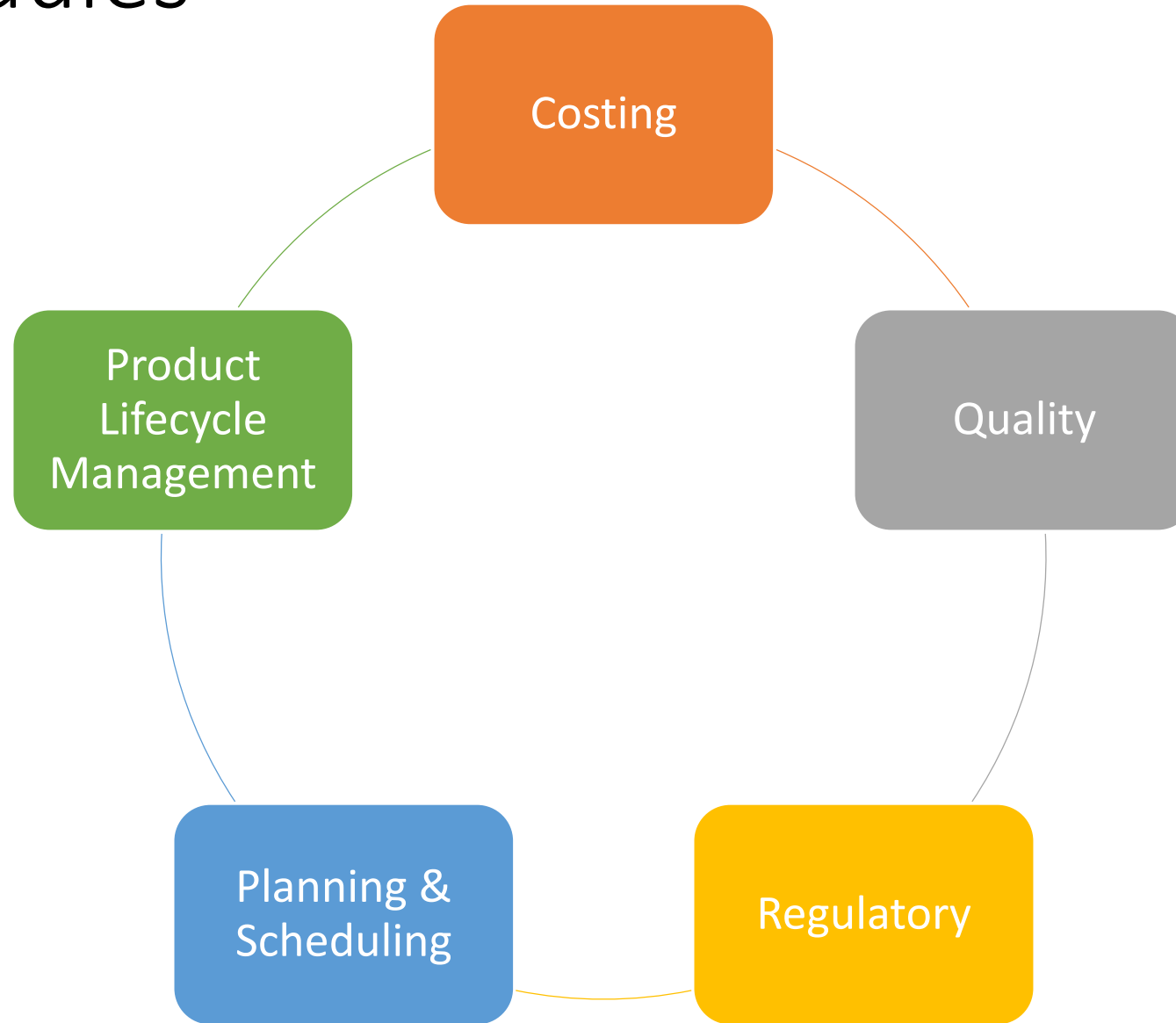
Order Type: PO
 Production Order: 000136
 Total Qty.: 0.000000
 Doc Type: Receipt

ALLOCATIONS ATTRIBUTES

Inventory ID	Quantity	Warehouse	Location ID	Expire Date	Receipt Nbr	Lot/Serial Nbr.
PAPBTCAM3C	45.000000	RETAIL	STORAGE			LREX000000

Production Screens

Optional Modules



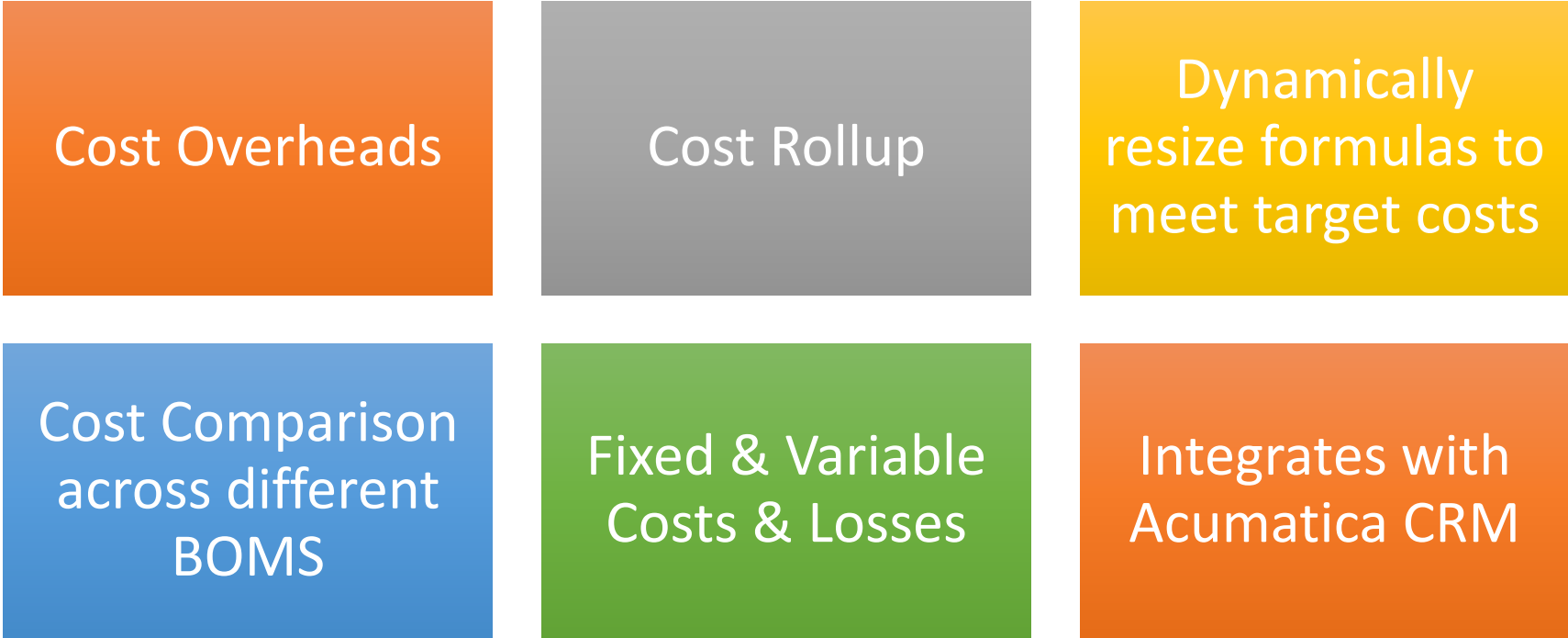
Costing & Quotation

Cost Analysis & dynamically reformulate

Opportunity & Quotation Integration

Sales Order Integration

Costing



Formula Cost analysis & Estimate Generation

COST ANALYSIS		
Product Cost Analysis.....1		
	1	2
Cost By:	Base Price	Base Price
Applicable On:	100	500
Costing Method:	Calculate Sales Price	Calculate Sales Price
Markup Factor:	50.00	50.00
Lot Size:	100.00	500.00
Product:	390.57	1,952.87
Product Fill Level:	98.00	98.00
Product Fill UOM:	LB	LB
Formula Material Cost:	0.00	0.00
Formula Labor Machine Cost:	20.00	40.00
Formula Material Overhead Cost:	0.00	0.00
Formula Labor Overhead Cost:	0.00	0.00
Line Item LossCost:	0.00	0.00
Loss Factor Cost:	0.78	3.91
Loss Constant Cost:	0.00	0.00
Formula Consumable Cost:	0.00	0.00
BOM Item Cost:	0.00	0.00
BOM Consumable Cost:	0.00	0.00
BOM Labor Machine Cost:	0.00	0.00
BOM Item OverHead Cost:	0.00	0.00

BOM Labor OverHead Cost:	0.00	0.00
Ingredient Costs:	0.00	0.00
Ingredient Item Cost:	0.00	0.00
Ingredient Consumable Cost:	0.00	0.00
Ingredient Labor Machine Cost:	0.00	0.00
Ingredient Item Overhead Cost:	0.00	0.00
Ingredient labor Overhead Cost:	0.00	0.00
Formula Variable Labor Cost:	0.00	0.00
Formula Variable OH cost:	0.00	0.00
Fixed Labor Cost:	0.00	0.00
Fixed OH Cost:	0.00	0.00
Setup Labor Cost:	0.00	0.00
Setup OH Cost:	0.00	0.00
By-Product Cost:	0.00	0.00
By-Product OH Cost:	0.00	0.00
Total Cost:	411.35	1,976.78
Formula Cost per Unit:	4.11	3.95
Margin per:	25.21	28.12
Selling Price:	5.50	5.50

Quality

Quality Orders

Grading

Sample Plans

Inspection Checklist

Specialized Tests – Test Methods, Units, Test Definitions

Action Plans & Rework Production Orders

Deviation Reports

CAPA, COA, Non Conformance

Case Integration

Customer & Vendor Specific Quality Configurations

Inventory Stability Test Plans

Quality Integration with Acumatica Modules & Production Modules

Material

- Vendor Specific Quality Control - Applicable during Purchase Receipts
- Customer Specific Quality Control - Applicable during Sales Shipments
- Inventory Stability Tests
- Production Execution – Pre, During and Post Production

Equipment

- Planned Tests at defined intervals
- Production Execution – Pre, During and Post Production

Warehouse/Location

- Planned Tests at defined intervals

Quality Control Features



Quality Control Implemented Via



Products Wholesale - Quality Order

QC Type: Specialized Tests
 QC Nbr: Q12
 Entity Type: Formula
 QC Phase: Production
 QC Status: On Hold

Owner: EP0000001 - Andrews I
 Doc Type: Quality Test
 Doc Nbr: PC00137
 Doc Date: 10/12/2018
 Req Date: 10/12/2018
 Complete Date: 10/12/2018

Notes: Testing

INSPECTION CHECKLIST | SPECIALIZED TESTS

Item ID	Description	Site ID	Checker	Checked By	Checked Date	Verify	Verified By	Verified Date	Appro	Approved By	Approve Date
MWXBMINI	1 Pack is having 32Gms of...	HQ Retail Warehouse		EP0000001	10/12/2018		EP0000005	10/12/2018		EP0000008	10/12/2018

Revision Two HQ - Equipment Quality

Equipment ID: BUBBLEVISCOMETE
 Inspection Checklist: BUBBLEVISCO - Checklist
 Quality Specifications: BUBBLEVISCO - Test for

INSPECTION CHECKLIST | QUALITY SPECIFICATIONS

Seq No	Test Code	Test Method	Test Unit	Sample Plan ID	Test Lead Time	Category	Test Description	Measuring	Target Value	Control Lower Limit	Control Upper Limit	Max Allowable % Defective	Print on COA	Remarks
2	BUBBLEVISCO		ML		20		Test for the Bubble Viscome...	CP	8.5	8	9	1		This is a mandatory test to b...

Products Wholesale - Quality Order Type

Quality Order Type: QC
 Description: Quality Control
 Quality Numbering Sequence: QC001

GENERAL SETTINGS | ATTRIBUTES

QUALITY PASS WAREHOUSE DEFAULTS | QUALITY FAILED REWORK WAREHOUSE DEFAULTS | QUALITY FAILED SCRAP WAREHOUSE DEFAULTS

Warehouse: WHOLESALE - HQ Whol | Location: MAIN
 Warehouse: VA-RETAIL - VA Retail | Location: BIN1
 Warehouse: VA-RETAIL - VA Retail | Location: BIN3

Inventory ID: MWXBMINI - 1 Pack hav
 Description: 1 Pack having 32Gms of Mi
 Grade: A - Grade A
 Checklist ID: DOCKLIST - Dock List w
 Spec ID: PRODEARLYTEST - Pro

QC INTEGRATION STAGES
 Sales
 Purchase
 Inventory
 Production

INSPECTION CHECKLIST | QUALITY SPECIFICATIONS

Revision Two HQ - Inspection Check List

Check List ID: DOCKLIST - Dock List wh
 Description: Dock List when Cargo Arrive
 Applicable for: Inventory

Seq No	Type	SOP ID	Description	Repeat Times	Active	Manda / Optior
1	Text		Outside Doors are Closed Again?	1		
2	Text		Are incoming private vehicle inspected for unusual Cargo Activity			
3	Text		Are Employee Vehicles Identified with Placards, Decals and ID Card			

Revision Two HQ - QC Test

Test ID: BUBBLEVISCO
 Description: Bubble Viscosity
 Method: VISCOSITY - Viscosity
 Ordering: 1
 Data Type: Numeric Range Test
 Expression:
 Test Class:

Priority: High
 Test Unit: ML - Milliliter
 Replicate: 2
 Range: 0
 Precision to Store: 6
 Precision to Report: 6

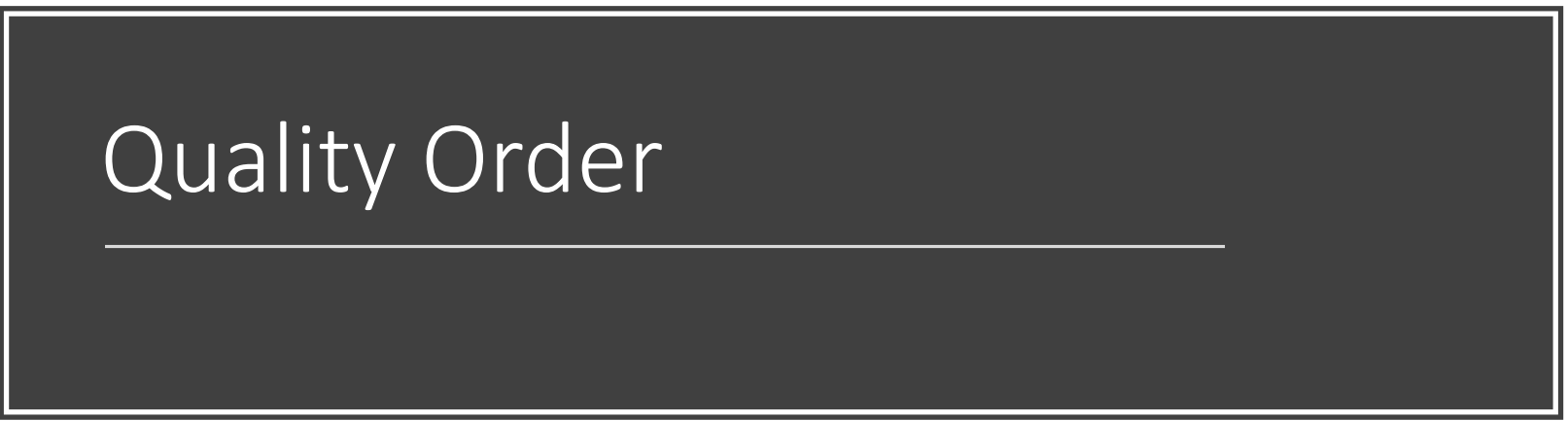
Target Value: 8.5
 Maximum Value: 9
 Minimum Value: 8
 Allowed Deviation %: 1
 Test Qty: 1.00

Revision Two HQ - Location Quality

Warehouse: VA Wholesale Warehouse
 Location: SPECIALORD
 Inspection Checklist: DOCKLIST - Dock List wh
 Quality Specifications: LOCATIONSPEC - Storag

INSPECTION CHECKLIST | QUALITY SPECIFICATIONS

Type	SOP ID	Description	Repeat Times	Active	Mandatory / Optional
Text		The Temperature at the Location should be ...	1		



Regulatory

Compliance – In Roadmap

Regulatory

Food

- Hazard Analysis & Critical Control Point (HACCP)
- FDA & FSSAI Compliance
- Design & Print FDA Labels

Pharma & Nutra

- FDA 21 CFR Part 11 Compliance
- Supports GFSI and cGMP requirements
- Design & Print Supplemental Information Panels

Regulatory

Chemicals

- OSHA, EPA, ISO, DoT, INCI, Compliance
- GHS Labeling Requirement
- HAZMAT Bills of Lading, VOC, SARA Compliance
- REACH Reporting
- EMA, BRC, IFRA
- Safety Data Sheets(SDS/MSDS) and SARA Title III reports

Generate bi-directional lot traceability reports against suspect FG or Materials

Design & Print Custom Lot Recall Letters

COA Documents

Workflows for Approvals

Revisions and Audit Trails

Comply with external auditor requirements

Compliance

Revision Two HQ - CAS Number Master

* CAS Number: 12

GENERAL INFORMATION SAFETY INFO SAFETY INFO CONTINUED OEL

GENERAL INFORMATION

Chemical Name: Resin

Other Information: Resin Solvant

Trade Secret

PROPERTIES

Pressure mmHg:	2
Pressure Temp:	0
Lower Explosive ...	3
Upper Explosive ...	4
Boiling Point:	4
Flash Point:	0
Flash Point Method:	0
INCI:	0
EINICS:	0

Revision Two HQ - MSDS Template

MSDS ID: Template Descript...

Template Type:

1. IDENTIFICATION 2. HAZARDOUS IDENTIFICATIONS 3. FIRST AID MEASURES 4. FIRE FIGHTING MEASURES 5. ACCIDENTAL RELEASE MEASURES 6. HANDLING STORAGE 7. EXPOSURE CONTROL

8. Physical and Chemical Properties

9. Stability

10. Toxicology Information

11. Ecological Information

12. Disposal Considerations

13. Transport Information

14. Regulatory Information

15. Notices and Disclaimer

Document Title:

Category:

Class:

Company Name:

Company Address...:

Company Address...:

City:

Country:

State:

Zip:

Emergency Conta...:

Chemtrec Informa...:

Other Contact Info:

Trade Names:

CAS & SDS

Product Lifecycle Management

CRM Integration – Opportunity & Cases Integration with Production Development Requests

Product Lifecycle Management

