Coconut By-Products Manufacturing – Flow Diagram

Initial Process Flow
(all products use this initial process)

NUTS DELIVERY

WEIGHING

RECEIVING & INSPECTION

COCONUT BIN STORAGE

COCONUT WATER & EMBRYO REMOVAL

COCONUT MEAT RINSING

INSPECTION

WASHING

HOLDING TANK

INSPECTION

Desiccated Coconut

Coconut Milk & Coconut Cream

Virgin Coconut Oil

Coconut Flour

Creamed Coconut

Quality Assurance / Inspection / Test

Critical Control Point
Coconut By-Products Manufacturing – Flow Diagram

Desiccated Coconut Process Flow

- **Chemical Treatment (CT)**
- **Grinding**
- **Blanching**
- **Drying**
- **Cooling**
- **Inspection**
- **Separating & Classifying**
  - Medium
  - Macaroon
  - Xtra Fine
  - Flake
  - Shred
  - Chip
- **Inspection**
- **Release to Storage and Inspection**
- **Labeling / Packaging**
- **Shipment**

In case of production with SO2, metabisulfite is added /sprayed with pure fresh water.

In case of SO2 free production, no metabisulfite is added to the chemical tank and pure fresh water is added allowing continuous overflow.

Quality Assurance / Inspection / Test

Critical Control Point
Coconut Milk and Coconut Cream Process Flow

- Chemical Treatment (CT)
- Grinding
- Blanching
- Extracting
- Inspecting
- Pasteurization
- Homogenizing
- Sterilization
- Inspecting
- Release to Storage and Inspection
- Labeling / Packaging
- Shipment

Ingredients are added (guar gum and citric acid).

Quality Assurance / Inspection / Test

Critical Control Point
Coconut By-Products
Manufacturing – Flow Diagram

Virgin Coconut Oil Types A & B
Process Flow

Virgin Oil Type A = 1st press
Virgin Oil Type B = 2nd and 3rd presses

Not use for these products

Quality Assurance / Inspection / Test

Critical Control Point

Virgin Oil Type A
Virgin Oil Type B

CHEMICAL TREATMENT (CT)
GRINDING
EXTRACTION
FILTRATION
INSPECTION
RELEASE TO STORAGE AND INSPECTION
LABELING / PACKAGING
SHIPMENT

CT
QA
CCP
Coconut By-Products
Manufacturing – Flow Diagram

Coconut Flour Process Flow

D

CHEMICAL TREATMENT (CT)

GRINDING

magnet

PULVERIZING

QA

QA

FILTRATION

QA

INSPECTION

QA

QA

RELEASE TO STORAGE AND INSPECTION

magnet

LABELING / PACKAGING

QA

QA

SHIPMENT

QA

Not use for these product

CT

QA

CCP

Quality Assurance / Inspection / Test

Critical Control Point
Coconut By-Products
Manufacturing – Flow Diagram

Creamed Coconut Process Flow

DESICCATED COCONUT

PRE-GRINDING

FINAL GRINDING

WEIGHING

INSPECTION

LABELING / PACKAGING

RELEASE TO STORAGE AND PACKAGING INSPECTION

SHIPMENT

QA

CCP

QA

QA

QA

QA

Not use for these product

CT

QA

CCP

Quality Assurance / Inspection / Test

Critical Control Point

We Believe in Natural Living!

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