



PT. SUMATRAN ORGANIC SPICE

Indonesia

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**PRODUCT PROCESSING SPECIFICATIONS**

**CERTIFIED ORGANIC CLOVE CUT AND SIFT (C/S)**

*Eugenia caryophyllus*

Origin : Indonesia

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**PRODUCT CHARACTERISTICS :**

Physical Parameters	Specifications	Chemical Parameters	Specifications
Dimension	5%<1mm-4mm>10%	Moisture Content	9% max
Color	Dark reddish brown	Ash content	6% max
Aroma	Aromatic, characteristic		
Flavor	Aromatic, characteristic, warm and spicy		

Microbial Tolerance	Specifications	Mycotoxin Tolerance	Specifications
<b>For Sterilized Clove Powder :</b>		<b>Product destined for European Market :</b>	
Total plate count	< 100,000 cfu / gr	Aflatoxin	max 5 ppb
E. Coli	< 10 mpn / gr	Ochratoxin	max 3 ppb
Salmonella	absent / 25 gr	<b>Product destined for US Market :</b>	
Yeast and Mold	< 1000 cfu / gr	Aflatoxin	max 20 ppb
Coliforms	< 100 mpn / gr		

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**OTHERS :**

- Foreign Matter : All items foreign to the plant from which the herbs of spice is sourced  
Tolerance : < 1%
- Extraneous Matter : Items derived from the plant from which the herbs or spice has been sourced but not required part.  
Tolerance : 1% maximum

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**PRODUCT PROCESSING SPECIFICATIONS**

**CERTIFIED ORGANIC CLOVE POWDER**

*Eugenia caryophyllus*

Origin : Indonesia

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**PRODUCT CHARACTERISTICS :**

Physical Parameters	Specifications	Chemical Parameters	Specifications
Dimension	10% 0n 0.5mm	Moisture Content	9% max
Color	Dark brown ovary and sepals, light tan head	Ash content	6% max
Aroma	Aromatic, characteristic		
Flavor	Aromatic, characteristic, warm and spicy		

Microbial Tolerance	Specifications	Mycotoxin Tolerance	Specifications
<b>For Sterilized Clove Powder :</b>		<b>Product destined for European Market :</b>	
Total plate count	< 100,000 cfu/gr	Aflatoxin	max 5 ppb
E. Coli	< 10 mpn/gr	Ochratoxin	max 3 ppb
Salmonella	absent / 25 gr	<b>Product destined for US Market :</b>	
Yeast and Mold	< 1000 cfu / gr	Aflatoxin	max 20 ppb
Coliforms	< 100 mpn/gr		

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**OTHERS :**

- Foreign Matter : All items foreign to the plant from which the herbs of spice is sourced  
Tolerance : < 1%
- Extraneous Matter : Items derived from the plant from which the herbs or spice has been sourced  
but not required part.  
Tolerance : 1% maximum

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**PRODUCT PROCESSING SPECIFICATIONS**

**CERTIFIED ORGANIC CLOVE TBC**

*Eugenia caryophyllus*

Origin : Indonesia

**PRODUCT CHARACTERISTICS :**

Physical Parameters	Specifications	Chemical Parameters	Specifications
Dimension	5%<0.5mm-2mm>10%	Moisture Content	9% max
Color	Dark brown ovary and sepals, light tan head	Volatile Oil	12% Min
Aroma	Aromatic, characteristic	Ash content	6% max
Flavor	Aromatic, characteristic, hot and spicy		

Microbial Tolerance	Specifications	Mycotoxin Tolerance	Specifications
<b>For Sterilized Clove TBC :</b>		<b>Product destined for European Market :</b>	
Total plate count	< 100,000 cfu/gr	Aflatoxin	max 5 ppb
E. Coli	< 10 mpn/gr	Ochratoxin	max 3 ppb
Salmonella	absent / 25 gr	<b>Product destined for US Market :</b>	
Yeast and Mold	< 1000 cfu / gr	Aflatoxin	max 20 ppb
Coliforms	< 100 mpn/gr		

**OTHERS :**

- Foreign Matter : All items foreign to the plant from which the herbs of spice is sourced  
Tolerance : < 1%
- Extraneous Matter : Items derived from the plant from which the herbs or spice has been sourced  
but not required part.  
Tolerance : 1% maximum

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## PRODUCT PROCESSING SPECIFICATIONS

### CERTIFIED ORGANIC CLOVE WHOLE

*Eugenia caryophyllus*

Origin : Indonesia

Plant Part : Unopened Flower Bud

State : Dried, Whole

Grades : Whole, Grade 1 and Hand Selected Whole

### PRODUCT CHARACTERISTICS :

Physical Parameters	Specifications	Chemical Parameters	Specifications
Dimension	Whole	Moisture Content	12% max
Color	Dark brown ovary and sepals, light tan head	Volatile Oil	14% Min
Aroma	Aromatic, characteristic	Ash content	6% max
Flavor	Aromatic, characteristic, hot and spicy		

Microbial Tolerance	Specifications	Mycotoxin Tolerance	Specifications
<b>For Sterilized Clove Whole :</b>		<b>Product destined for European Market :</b>	
Total plate count	< 100,000 cfu/gr	Aflatoxin	max 5 ppb
E. Coli	< 10 mpn/gr	Ochratoxin	max 3 ppb
Salmonella	absent / 25 gr	<b>Product destined for US Market :</b>	
Yeast and Mold	< 1000 cfu / gr	Aflatoxin	max 20 ppb
Coliforms	< 100 mpn/gr		

### OTHERS :

Foreign Matter : All items foreign to the plant from which the herbs of spice is sourced  
Tolerance : < 1%

Extraneous Matter : Items derived from the plant from which the herbs or spice has been sourced  
but not required part.

Clove, Whole, Grade 1 : stems, leaves, twigs, etc. Tolerance : 1% maximum

Clove, Hand-selected whole : stems, leaves, twigs, etc. Tolerance : maximum

5 pieces / 100 gr

**SIZE** : 1.5-2.0 cm long, 0.3-0.5 cm thick

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