		RATH & CO-TRADING PTY LTD Suite 3C, level 2, 58 Victor Crescent Narre Warren 3805		Product Specification		
Origin		INDIA, INDONESIA		Date of issue		9.8.2022
Product Code(s)		HS1279, HS1210-25, HS1210, HS1280, HS1213 HS1206		Supersedes		13.5.2020
Product		CLOVES WHOLE AND GROUND		Page 1 of 3		

Product Description:

Cloves are produced from the ripe flower buds, from the *Syzygium aromaticum* (syn. *Eugenia aromaticum* or *Eugenia caryophyllata*) tree. Cloves are picked, air dried, graded and processed for commercial production.



Organoleptic properties:


Colour reddish brown - dark brown

Odour rich, pungent, spicy aroma typical of clove.

Taste bitter sweet, typical of clove - free from offending flavours.

Physical /Grade Parameters:

Product	Description	Tolerances	Defects	Total Moisture
Cloves whole handpicked	Is the floral bud harvested before blooming	- Headless<10-15% max - broken<2% - Volatile oil >8.0%	- Foreign objects (glass, timber, metal 0%) - Extraneous matter <2% - Live Insect 0%	<12%
Cloves headless	Clove consisting of only the receptacle and sepals	<2% broken		
Cloves Ground	5% max is retained on a 600mm sieve	- Volatile oil >5%		

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Microbial Parameters:

Non- steamed:

Parameters	Quality Standard.
Salmonella	Absent in 25g
E. Coli	<10cfu/g

Steam sterilized:

Parameters	Quality Standard.
Salmonella	Absent in 25g
Listeria	Absent in 25g
E. Coli	<10cfu/g
Total Plate count	<500,000cfu/g
Yeast and Mould	<1000cfu/g

Nutrition Information		
Servings per package: 100.00		
Serving size: 100.00 g		
	Average Quantity per Serving	Average Quantity per 100 g
Energy	1540 kJ	1540 kJ
Protein	6.0 g	6.0 g
Fat, total	17.3 g	17.3 g
- saturated	0.9 g	0.9 g
Carbohydrate	30.8 g	30.8 g
- sugars	2.7 g	2.7 g
Sodium	158 mg	158 mg

Nutritional Information:


Nutritional information is a theoretical calculation derived from FSANZ nutrient calculator.

Shelf Life:

Product shelf life is 24 months when stored under the correct conditions.

Storage and Handling:

Product should be stored in ambient conditions (<20°C) with a maximum relative humidity of 59%. Product should be kept free from direct sunlight in air tight containers/bags. Storage areas should be clean and regularly treated against pests.

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Allergen

Present in Product

YES / NO

Cereals containing gluten & their products (wheat, rye, barley, oats, spelt)	No
Crustacea & Crustacea products	No
Egg & egg products	No
Fish & Fish Products (including molluscs w/out shells & fish oils)	No
Lupin & Lupin products	No
Milk & Milk products	No
Peanuts & Peanut Products	No
Sesame Seeds & sesame products	No
Soy & soybean products	No
Tree nuts & tree nut products	No
Sulphites, present in ingredients, additives or processing aids*	No

Packaging/Weight:

Bulk 20-25kg cartons with internal liner.

Intended Use:

Food supplied as an ingredient for use in further manufacturing and processing.

Non Irradiation & Ethylene Oxide Statement:

This product is declared free from exposure or treatment from sources of irradiation and ethylene oxide.

Genetic Modification:

This product and any processing aids used in the preparation of this product are declared free from genetic modification.