

PRODUCT SPECIFICATION

Product Identification

Product	:	Nutmeg Ground	
Ingredient	:	Nutmeg, Dried, Seeds of Myristica fragrans	
Issue Date	:	23-May-18	URN :
Olam Sample Code	:		Customer ref :
Treatment	:	Steam Treated (HTST)	Version : 01

Physical Characteristics

	Target	Unit	Method
Particle size	: 100% thru 1000mc (18#)	% w/w	ASTA 10.0
	: 95% thru 850mc (20#)	% w/w, min	ASTA 10.0
Aroma	:	Characteristic, aromatic, warm & slightly bitter	
Color	:	Yellowish-Brown to Red-Brown or Dark Brown	
Origin	:	Indonesia	

Chemical Characteristics

	Target	Unit	Method
Moisture	: 10.0	% v/w, max	ASTA 2.0
Aw	: 0.65	max	ASTA 6.0
Volatile oil	: 4.5	% v/w, min	ASTA 5.0
AIA	: 0.5	% w/w, max	ASTA 4.0
Total Ash	: 3.0	% w/w, max	ASTA 3.0
Ochratoxin A	: 15.0	ppb, max	AOAC 2007 (2000.03)
Aflatoxin B1	: 5.0	ppb, max	ASTA 24.2
Aflatoxin Total (B1, B2, G1, G2)	: 10.0	ppb, max	ASTA 24.2

Microbiological Characteristics

	Target	Unit	Method
TPC	: 50,000	cfu/g, max	FDA BAM
Salmonella	: Negative	cfu/50g	FDA BAM
E.coli	: Negative	cfu/g	FDA BAM
Yeast	: 500	cfu/g, max	FDA BAM
Mold	: 500	cfu/g, max	FDA BAM
Staph. Aureus	: 20	cfu/g, max	FDA BAM
Enterobacteriaceae	: 100	cfu/g, max	FDA BAM
Bac. Cereus	: 100	cfu/g, max	FDA BAM
Cl. Perfringens	: 10	cfu/g, max	FDA BAM
Sul Reducing Clostridia	: 100	cfu/g, max	FDA BAM

Packing

- 25 Kgs, Packing
1. Aluminum bag
 2. Kraft bag & PET/PE liner

Health and Safety

The product is manufactured, packaged, stored and shipped in accordance with HACCP - GMP.
 The product is considered 'KOSHER' under the criteria established by the Union of Orthodox Jewish Congregations of America.
 The product is free from GMO and Purposeful Irradiation.
 The product is free of Allergens.

Storage and Shelf-Life

Storage Recommendation: Product should be stored in cool and dry place with temperature not exceeding 80 F
 Best before: 2 Years (24Months)

Abbreviations

v/w: volume/weight w/w: weight/weight
 ppb: parts per billion AIA: Acid Insoluble Ash HACCP: Hazard Analysis and Critical Control Points
 cfu/g: colony forming units / gram