



PRODUCT SPECIFICATION

Product Identification

Product	:	Black Pepper Cracked 28#
Ingredient	:	Black Pepper, Dried, Fruit of tropical vine of the family Piperaceae (Piper Nigrum L)
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 18# (1.0mm)	% w/w	ASTA 10.0
	: 95% thru 20#(0.8mm)	% w/w, min	ASTA 10.0
	: 6% thru 50#(0.3mm)	% w/w, max	ASTA 10.0
Aroma	:	Sharp, Penetrating, Pungent	
Color	:	Dark Brown to Speckled Blackish Gray	

Chemical Characteristics

	Target	Unit	Method
Moisture	: 12.0	% v/w, max	ASTA 2.0
Volatile oil	: 1.0	% v/w, min	ASTA 5.0
Piperine	: 3.5	% w/w, min	ASTA 12.1
AIA	: 1.5	% w/w, max	ASTA 4.0
Total Ash	: 7.0	% 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/25g	FDA BAM
E.coli	: Negative	cfu/g	FDA BAM
Yeast	: 500	cfu/g, max	FDA BAM
Mold	: 500	cfu/g, max	FDA BAM
Staphylococcus aureus	: 100	cfu/g, max	FDA BAM
Enterobacteriaceae	: 100	cfu/g, max	FDA BAM
Bacillus cereus	: 100	cfu/g, max	FDA BAM
Cl. Perfringens	: 100	cfu/g, max	FDA BAM
Sul. Reducing Clostridia	: 100	cfu/g, max	FDA BAM

Packing

50 Lbs, Packing

1. PE/PET bags (thick) – heat sealed and covered with Kraft Paper Bags.
2. PE/PA bags (thick) – heat sealed and covered with Corrugated Carton Boxes (5 Ply)

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 Year (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

