ARNICA
Taste of Bests ...

Supplier & Trader of Premium Pistachios • Dates • Raisins

BROKEN PISTACHIOS (MIX) — PRODUCT SPECIFICATION

Raw pistachio kernels — mixed grade of whole, split and broken kernels

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1. GENERAL INFORMATION

№	Parameter	Specification
1	**Product**	Broken Pistachios (Grade MIX)
2	**Description**	Shelled, raw pistachio kernels — a mixed grade of whole, split and broken kernels, predominantly broken/split pieces
3	**Ingredients**	Pistachio kernels (Pistacia vera L.) only; no processing aids or added ingredients
4	**Country of origin**	Iran
5	**HS code**	0802.52
6	**Intended use**	Further processing (roasting, salting, confectionery, bakery, food manufacturing) or direct retail sale as raw kernels

2. ORGANOLEPTIC CHARACTERISTICS

№	Parameter	Specification
7	**Appearance**	Whole, split and broken kernels, strong and solid, normally developed, homogeneous by size and shape; inside cut light-green to yellow
8	**Smell and taste**	Peculiar to raw pistachios, free from any off-flavour and off-taste

3. PHYSICOCHEMICAL SPECIFICATION (GRADE MIX)

№	Parameter	Specification
9	**Moisture, % (ISO 771), max.**	4.50 – 6.0*
10	**Whole kernels, %**	25 – 30
11	**Split (halves) kernels, %, max.**	40 – 45
12	**Broken (pieces) kernels, %, max.**	25 – 35
13	**Uniformity in size, deviation, %, max.**	10
14	**Not fully developed, %, max.**	5
15	**Damage, %**	4.5
16	**Serious damage, %****	3
17	**Insect damage, %, max.**	1
18	**Foreign material, %, max.**	0.3
19	**Impurities*****	Not allowed

** Standard moisture limit for graded pistachio kernels. ** Minor insect or vertebrate injury, mould, decay. *** Stones, glass, metal, rubber, plastic and other non-vegetable impurities.*

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4. CHEMICAL & MYCOTOXIN PARAMETERS

№	Parameter	Specification
20	**Aflatoxin B1, ppb (AOAC 999.07)**	Below definition level
21	**Total aflatoxins B1+B2+G1+G2, ppb (AOAC 999.07)**	Below definition level

5. MICROBIOLOGICAL PARAMETERS

№	Parameter	Specification
22	**Total bacteria count, CFU/g (TS EN ISO 4833-1)**	$< 10^5$
23	**Yeast and mould, CFU/g (ISO 21527-2)**	$< 10^3$
24	**E. coli, CFU/g (ISO 16649-2)**	< 10
25	**Salmonella, per 25 g (TS EN ISO 6579-1)**	Absent

6. HEAVY METALS, PESTICIDES & RADIONUCLIDES

№	Parameter	Specification
26	**Arsenic, mg/kg**	≤ 0.3
27	**Lead, mg/kg**	≤ 0.5
28	**Cadmium, mg/kg**	≤ 0.1
29	**Mercury, mg/kg**	≤ 0.05
30	**DDT and metabolites, mg/kg**	≤ 0.15
31	**Hexachlorocyclohexane (α, β, γ-isomers), mg/kg**	≤ 0.5
32	**Cesium-137, Bq/kg**	≤ 200
33	**Strontium-90, Bq/kg**	≤ 100

Heavy metals, pesticides and radionuclides are tested on request or where required by the destination market. A lot-specific certificate of analysis can be arranged on request.

7. PACKAGING, STORAGE & TRANSPORT

№	Parameter	Specification
34	**Packaging**	Double bags (outer woven sack, inner polymeric or paper bag); dry, clean, intact, pest- and odour-free. Net/gross weight per shipping documents
35	**Storage**	Closed, dry, ventilated, pest-free area; 20 ± 5 °C, RH max. 70%; away from sunlight and strong odours
36	**Shelf life**	12 months from date of manufacture
37	**Transportation**	Clean, dry, pest-free vehicles; min. one third of shelf life remaining at delivery

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This specification describes the standard quality of ARNICA Broken Pistachios (MIX). Lot-specific values are confirmed by the certificate of analysis supplied with each shipment.