

PREMIUM HIGH QUALITY FREEZE-DRIED  
FREEZE-DRIED FRUITS & DAIRY

# *FREEZE-DRIED.CO*

## Four Decisions Made Before You See a Sample

*Equipment runs the same way in every facility. What changes the result is what we decide to put inside it, and when.*

### SOURCING

No. 01

## Which *orchard?*

Not every orchard produces fruit that survives freeze-drying with its flavor intact. We have mapped which do, by variety, by region, by year.

### TIMING

No. 02

## Which *week?*

Harvest timing decides the whole result. We do not take fruit that arrived early or late just to fill a quota.

### FORMAT

No. 03

## Which *form?*

Slices, cubes, crumbles, powder. Chosen for how a buyer will actually use them in their application, not what is cheapest to produce.

### SPEC

No. 04

## Which *moisture?*

Cereal brands want one number. Pharma wants another. Bakery a third. The right moisture spec is a judgment, not a default.





We manufacture and pack under your brand. From design to doorstep, we handle every step of your private label programme.

● WHITE LABEL READY

COMPLIANCE



**ISO 22000**  
Food Safety Management



**ISO 9001**  
Quality Management



**ISO 14001**  
Environmental Management



**ISO 45001**  
Occupational Health & Safety



**ISO 10002**  
Customer Satisfaction



**BRCGS**  
BRC Global Standard Food Safety (Grade B)



**GMP**  
Good Manufacturing Practice



**Halal**  
TS OIC/SMIIC 1 Halal Certified



**FDA**  
Certificate of Registration (2024)

Prices are reference-only and typically valid 1–2 weeks (max 1 month). Final quote depends on product, form, packaging, and delivery timeline. Freeze-dried fruit pricing follows seasonality.



## Company Overview

**3,000 sqft**

PRODUCTION FACILITY

Turkey

**5 tons/day**

CURRENT CAPACITY

**10 tons/day**

EXPANSION TARGET

**20 tons**

REFRIGERATION STORAGE

**15 tons**

FREEZING STORAGE



8 FPS

97%

NUTRIENT RETENTION

25+

YEARS SHELF LIFE

&lt;3%

MOISTURE CONTENT

## FREEZE-DRIED VS OTHER METHODS

	Freeze-Dried	Dehydrated	Canned
Nutrient Retention	97%	60%	40%
Shelf Life	Up to 25 years	Up to 4 years	Up to 3 years
Texture	Crisp, intact structure	Chewy & leathery	Soft & mushy
Flavor	Full natural flavor retained	Partially retained	Significantly reduced

## UNMATCHED VERSATILITY

Unlike other preservation methods, freeze-drying works perfectly for fruits, vegetables, meat, fish, dairy, eggs, ice cream, and even fully-cooked meals - preserving texture, flavor, and nutrients across all food categories.

## THREE-STAGE PROCESS

Each stage is precisely controlled to maximize nutrient retention and product quality

01

## Pre-Freezing

Fruits are blast-frozen to -40C at a controlled cooling rate. Rapid freezing creates fine ice crystals that preserve cellular structure. Controlled nucleation ensures uniform freezing across the entire batch.

02

## Primary Drying (Sublimation)

Chamber pressure drops below 6.1 mbar and shelves gently heat the product to drive sublimation. Ice converts directly to vapor, captured by a condenser at -50C to -80C. This removes approximately 95% of moisture while maintaining original shape and volume.

03

## Secondary Drying (Desorption)

Shelf temperature rises to +20C to +40C to break molecular bonds between residual water and the product matrix. Drying continues until moisture reaches 1-3%, ensuring maximum stability for long-term storage.



8

FPS

**6.1 mbar**

TRIPLE POINT PRESSURE

Below this threshold, ice sublimates directly to vapor

**2,834 kJ/kg**

ENERGY PER KG

Latent heat supplied through temperature-controlled shelves

**0.06–0.4 mbar**

CHAMBER VACUUM

Maintained throughout primary drying to drive sublimation



8 FPS

# Kefir & Berries

Dairy · Berries — 9 products



## KEFIR

### DAIRY

#### FORMATS

- Chips
- Powder

#### APPLICATIONS

- Plain kefir chips as standalone probiotic snack
- Natural banana-flavored kefir chips for kids and health snack lines



## STRAWBERRY

### BERRIES

#### FORMATS

- Whole
- Sliced
- Diced

#### APPLICATIONS

- Smoothie bowls & açai bases
- Yogurt and granola toppings



## RASPBERRY

### BERRIES

#### FORMATS

- Whole
- Crumble
- Sliced

#### APPLICATIONS

- Specialty lattes & pink drinks
- Macaron and cake coatings



## BLUEBERRY

### BERRIES

#### FORMATS

- Whole
- Crumble
- Sliced

#### APPLICATIONS

- Smoothie and acai bowls
- Overnight oats & granola



## BLACKBERRY

### BERRIES

#### FORMATS

- Whole
- Crumble
- Sliced

#### APPLICATIONS

- Premium dark chocolate inclusions
- Luxury trail mix and snack packs



## BLACK MULBERRY

### BERRIES

#### FORMATS

- Whole
- Crumble
- Sliced

#### APPLICATIONS

- Functional health supplement powders
- Premium superfood blend inclusions



## ARONIA

### BERRIES

#### FORMATS

- Whole
- Crumble
- Sliced

#### APPLICATIONS

- Functional antioxidant supplement powders
- Premium superfood blend inclusions



## POMEGRANATE

### BERRIES

#### FORMATS

- Whole
- Diced
- Crumble

#### APPLICATIONS

- Sparkling water enhancers
- Functional supplement powders



## SOURCHERRY

### BERRIES

#### FORMATS

- Whole
- Diced
- Crumble

#### APPLICATIONS

- Specialty cherry latte and café beverages
- Confectionery and chocolate inclusions

# Citrus & Stone Fruits

Citrus · Stone Fruits — 8 products



## ORANGE

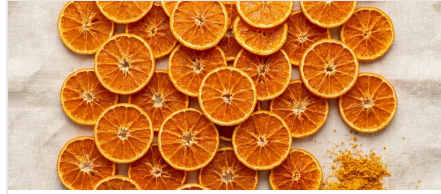
CITRUS

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Cocktail and mocktail garnishes
- Premium snack pouches



## MANDARIN

CITRUS

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Specialty citrus tea blends
- Premium confectionery decoration



## LEMON

CITRUS

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Lemonade base powders
- Cocktail and mocktail rimming



## LIME

CITRUS

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Craft cocktail and mocktail garnishes
- Specialty beverage powder blends



## APRICOT

STONE FRUITS

FORMATS

- Halves
- Diced
- Powder

APPLICATIONS

- Premium granola and cereal inclusions
- Trail mix and snack pack additions



## PEACH

STONE FRUITS

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Premium granola and muesli inclusions
- Yogurt parfait and smoothie toppings



## PLUM

STONE FRUITS

FORMATS

- Halves
- Diced
- Powder

APPLICATIONS

- Premium trail mix and snack mixes
- Artisan granola and muesli



## GRAPE

STONE FRUITS

FORMATS

- Sliced
- Diced
- Whole

APPLICATIONS

- Standalone premium snack pouches
- Confectionery and chocolate inclusions

# Popular & Exotic Fruits

Popular · Exotic — 8 products



## MANGO

EXOTIC

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Tropical smoothie mixes
- Premium snack pouches



## PINEAPPLE

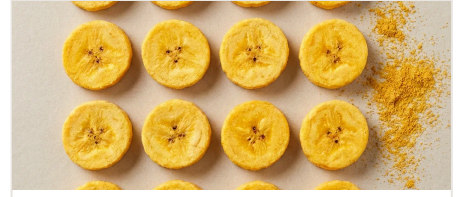
EXOTIC

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Premium snack rings and pouches
- Tropical smoothie bowl toppings



## BANANA

POPULAR

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Granola and muesli inclusions
- Kids snack pouches



## APPLE

POPULAR

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Oatmeal & porridge toppings
- Granola and cereal inclusions



## PEAR

POPULAR

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Premium oatmeal and porridge mixes
- Baby food and toddler snacks



## MELON

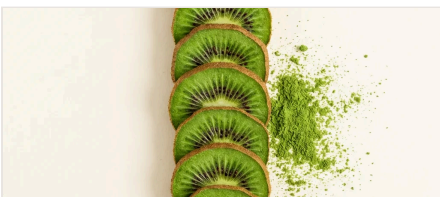
POPULAR

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Novelty premium snack pouches
- Tropical smoothie powder blends



## KIWI

POPULAR

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Hero ingredient in premium snack packs
- Smoothie bowl and açai garnishes



## FIG

POPULAR

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Artisan bread and bakery inclusions
- Premium granola and muesli

# Exotic & Vegetables

Exotic · Vegetables — 4 products



## PERSIMMON

EXOTIC

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Luxury gift food collections
- Premium specialty snack pouches



## QUINCE

EXOTIC

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Artisan jam and preserve flavor enhancement
- Premium confectionery novelty



## AVOCADO

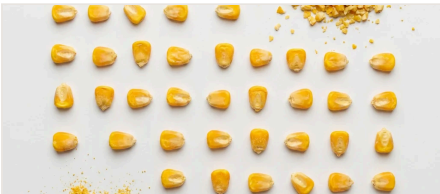
EXOTIC

FORMATS

- Sliced
- Diced
- Powder

APPLICATIONS

- Guacamole powder and seasoning blends
- Smoothie and protein powder inclusions



## CORN

VEGETABLES

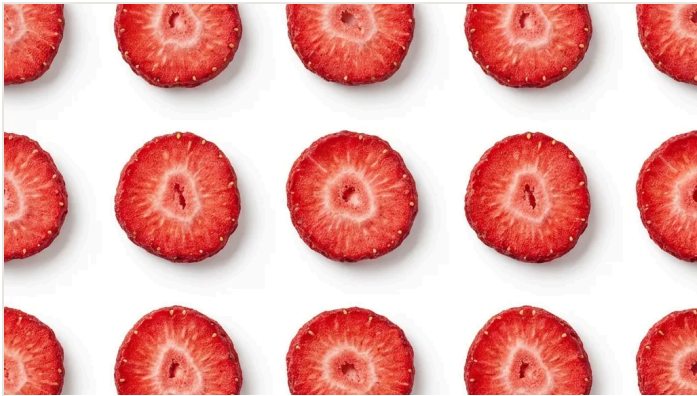
FORMATS

- Whole
- Crumble
- Sliced

APPLICATIONS

- Kids snack packs and trail mix
- Soup and sauce mix inclusions

# Cuts, Forms & Packaging



## SLICES & CHIPS

Intact slices and thin chips — ideal for snacking and decoration



## PIECES & DICED

Uniform pieces and diced cuts for consistent portioning



## POWDER

Fine powder for beverages, coatings, and functional applications



## WHOLE

Whole fruits and berries preserved with full visual integrity



### BAKERIES & PASTRY

Whole and sliced freeze-dried fruits for topping pastries, cakes, and artisan breads. Stable under room temperature storage, no moisture migration into baked goods.

RASPBERRY SOURCHERRY APRICOT  
FIG BLUEBERRY

### CHOCOLATE & CONFECTIONERY

Crumble and whole formats for embedding in chocolate bars, pralines, and sugar confections. Low moisture content ensures clean snap and prevents bloom.

RASPBERRY STRAWBERRY  
BLACKBERRY ARONIA SOURCHERRY

### MUESLI & GRANOLA

Diced and whole formats for muesli, granola, and breakfast cereal blends. Rehydrate naturally with milk. Vibrant color and intense flavor retained after freeze-drying.

STRAWBERRY RASPBERRY BLUEBERRY  
BANANA APPLE

### ICE CREAM & FROZEN DESSERTS

Powder and crumble for swirling into ice cream bases or using as toppings. Powder dissolves smoothly into mixes. Stable at frozen and ambient storage.

STRAWBERRY RASPBERRY MANGO  
BLUEBERRY BANANA

### SNACKS & TRAIL MIX

Whole and sliced formats for trail mix, snack packs, and retail snack blends. Lightweight, shelf-stable for 25+ years. No preservatives required.

STRAWBERRY APPLE MANGO  
PINEAPPLE BANANA

### BEVERAGES & SMOOTHIE MIXES

Powder format dissolves cleanly into instant drink mixes, smoothie blends, and functional beverage powders. Retains natural color and flavor without artificial additives.

KEFIR MANGO BANANA PINEAPPLE  
STRAWBERRY

### DAIRY & YOGURT

Whole, diced, and powder formats for yogurt toppings, dairy desserts, and flavored milk powders. No moisture transfer into dairy base. Halal certified for Muslim-majority markets.

KEFIR STRAWBERRY RASPBERRY  
BLUEBERRY ARONIA

### NUTRACEUTICALS & SUPPLEMENTS

Powder format for encapsulation into capsules, tablets, and health supplement blends. High nutrient retention from freeze-drying. Clean label - no fillers or preservatives.

ARONIA POMEGRANATE BLUEBERRY  
STRAWBERRY RASPBERRY

### PET FOOD & TREATS

Whole and crumble formats used as natural flavor enhancers and toppers in premium pet food and freeze-dried pet treat manufacturing. No additives, single-ingredient.

BLUEBERRY APPLE BANANA PEAR  
PINEAPPLE

## Freeze-Dried Banana Specification

Sample specification sheet - available for all products

## PRODUCT INFORMATION

Product Name	Freeze-Dried Banana
Ingredients	100% Banana
Country of Origin	Turkey
Shelf Life	24 Months

## PRODUCT DESCRIPTION

Bananas harvested at optimum maturity within the framework of Good Agricultural Practices. After specific quality control tests, the raw material undergoes appropriate pre-treatments and is rapidly freeze-dried. The finished product is passed through a metal detector before packaging.

## STORAGE / TRANSPORTATION

Store in a clean, dry, well-ventilated place away from direct sunlight under ambient conditions. Keep away from contaminants. Transportation must be carried out in dry, clean, and odor-free containers.

## DIRECTIONS FOR USE &amp; CONSUMER GROUP

After opening, keep tightly sealed and consume within 2 days. Suitable for direct consumption. Suitable for individuals aged 2 years and above, vegetarians, lacto-ovo vegetarians, lacto vegetarians, and vegans.

## PHYSICAL PROPERTIES

Color	Must not lose its natural color
Crispness	Must produce a "crunch" sound when broken
Taste	Must retain characteristic flavor
Shape & Texture	Must maintain volume, no shrinkage or deformation
Odor	Characteristic typical taste and smell
Foreign Matter	Must not be present
Plant-Based FM	Must not be present
Moisture	Max. 3%

## LABEL INFORMATION

Production Date, Product Name, Ingredients, Expiry Date, Manufacturer Information, Country of Origin, Storage Conditions

Batch Number Format: PNYAAGSSSS (year/month/day/sequence no)

## NUTRITIONAL VALUES / 100G (ANALYTICAL)

Energy	1,520 kJ / 360 kcal
Fat	0 g
Saturated Fat	0 g
Carbohydrate	87.26 g
Sugars	65.15 g
Fibre	16.80 g
Protein	4.07 g
Salt	0.01 g

## ANALYTICAL STANDARDS

GMO	None
Aflatoxin B1	8.0 µg/kg *
Total Aflatoxin (B1+B2+G1+G2)	10.0 µg/kg *
Pesticides	Compliant with destination country
Lead	0.10 mg/kg
Cadmium	0.05 mg/kg
Perchlorate	0.05 mg/kg

\* Analyzed upon customer request

## MICROBIOLOGICAL PROPERTIES

L. Monocytogenes	0 / 25 g-mL
Salmonella	0 / 25 g-mL
E. Coli	< 10 <sup>2</sup> - 10 <sup>3</sup> cfu/g
Yeast & Mold	< 10 <sup>4</sup> - 10 <sup>5</sup> cfu/g

## PACKAGING

Packaging Type	PET/ALU/PE or PET/METPET/PE doypack
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## FOREIGN MATTER CONTROL

Metal Detector - Fe	1.5 mm
Metal Detector - Non-Fe	2.5 mm
Metal Detector - SS	2.5 mm
Broken Kernels	Separated as dust, removed as waste
Sorting / Selection	Applied

## GMO DECLARATION

The product, as well as the materials and additives used in the product, do not contain any active or inactive genetically modified organisms.

Radiology	Radiologically compliant
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## Allergen Information &amp; Mandatory Content Declaration

Freeze-Dried Banana - Document No: KG.SP.11

## ALLERGEN INFORMATION

Cereals containing gluten	No	Tree nuts	No
Crustaceans and derivatives	No	Celery and products	No
Eggs and products	No	Mustard and products	No
Fish and products	No	Sesame seeds and products	No
Peanuts and products	No	Sulfur dioxide and sulfites	No
Soybeans and products	No	Lupin and products	No
Milk and products	No	Molluscs and products	No

## MANDATORY CONTENT DECLARATION

Does the product contain any added colours?	No
Any Flavour Enhancers?	No
Any Preservatives?	No
Any added Fats and Oils?	No
Does the product contain Palm Oil?	No
Any Artificial Flavours (incl. Nature Identical)?	No
Any Artificial Sweeteners (e.g. Aspartame)?	No
Any Polyols, Isomalts, Polydextrose?	No
Is any unpasteurised milk used?	No
Are any unpasteurised egg products used?	No
Does the product contain propolis / bee pollen?	No
Is Quinine present in product?	No
Is Guarana or extracts present?	No
Is this product irradiated or contains irradiated ingredients?	No
Are any spices ethylene oxide treated?	No

## REGULATORY REFERENCES

Turkish Food Codex - General Rules (19.02.2020)  
Turkish Food Codex - Microbiological Criteria Regulation (13.02.2025)  
Turkish Food Codex - Contaminants Regulation (5.11.2023)  
Turkish Food Codex - Maximum Pesticide Levels Regulation (16.11.2025)  
Turkish Food Codex - Labelling Regulation (26.01.2017)



# Logistics Specifications



## ● EURO PALLET

DIMENSIONS

**80 x 120 cm**

STACKING

**10-12 rows**

## ● 40 HC CONTAINER

PALLETS

**24 pallets**

UNITS

**50,688 units**

## ● MOQ

MINIMUM

**From 200 kg**

TRIAL ORDERS

**Available**

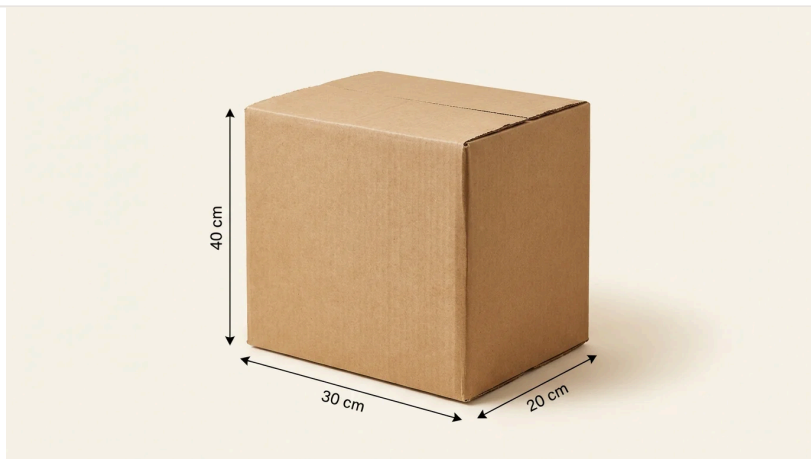
## ● STANDARD BOX

DIMENSIONS

**30 x 20 x 40 cm**

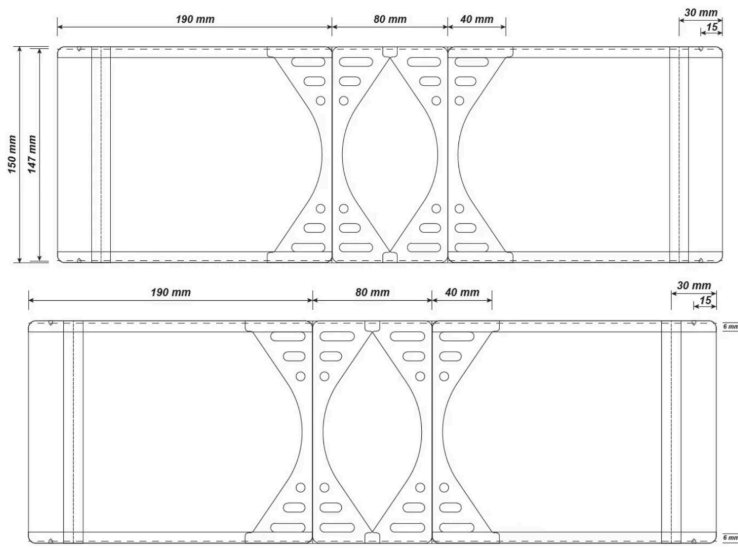
VOLUME

**24 L**

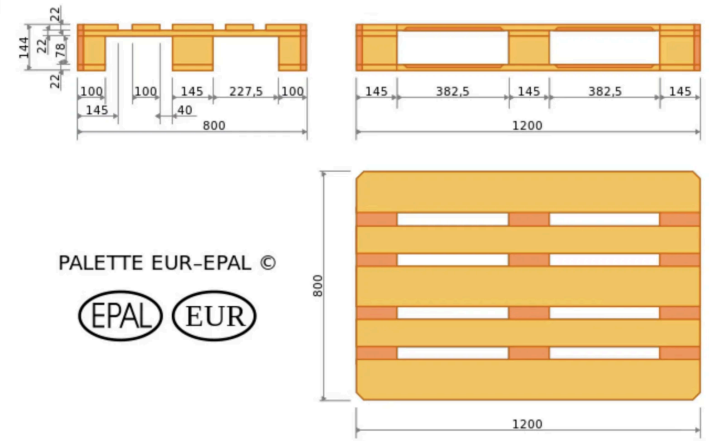


EXW price list available upon request. Prices may vary due to seasonal fruit availability.

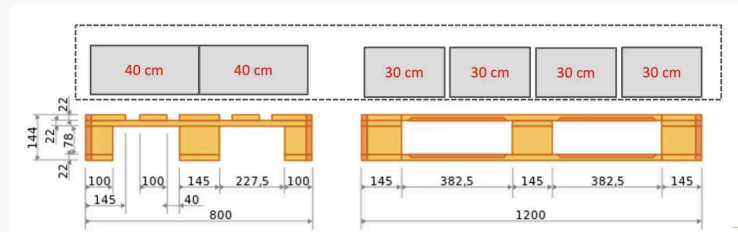
BOX & PALLET DIMENSIONS



Packaging + Pallet – EURO Pallets are used for Europe and Türkiye



Packaging + Pallet



8 boxes in 1 row (24 X 8 = 192 packages)

Stacking:

For Container DC, 10 rows can be stacked on 1 pallet, 1020 cm = 200 + 15 cm pallet foot height = 215 cm.

For Container HC, 11 rows can be stacked on 1 pallet, 1120 cm = 220 + 15 cm pallet foot height = 235 cm.

For a truck, 11/12 rows can be stacked on 1 pallet, 1120 + 15 = 235 cm / 1220 + 15 = 255 cm.

Packaging + Pallet Stacking

EUR PALLET	LAYOUT	PER LAYER
800 x 1200 mm	8 boxes/row	192 packages

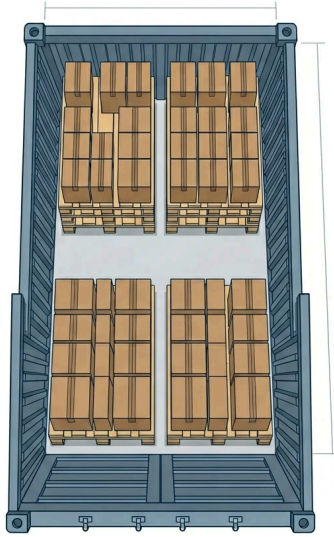
STACKING HEIGHT

DC: 10 rows - 215 cm

HC: 11 rows - 235 cm

Truck: 11-12 rows - 235/255 cm

20 FT CONTAINER



Loading Calculations — 20 FT Container

CONTAINER	EUR PALLET	LAYOUT
2350 x 5900 mm	800 x 1200 mm	11 euro pallets

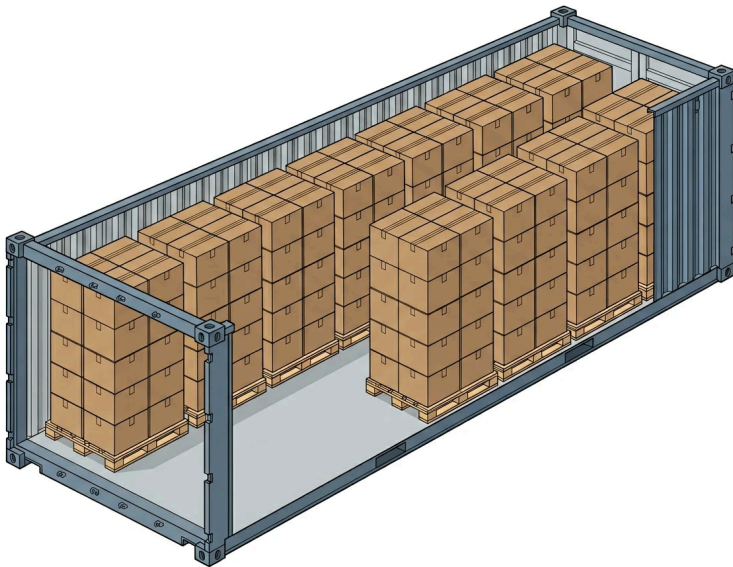
STACKING

8 boxes in 1 row (24 x 8 = 192 packages)  
 10 rows stacked per pallet  
 Height: 10 x 20 cm = 200 cm + 15 cm pallet foot = 215 cm

SAMPLE STUDY

11 pallets, 10 rows: 11 x 80 boxes = 880 boxes  
 880 x 24 = 21,120 pieces (approx. 20g package)

40 FT CONTAINER



Loading Calculations — 40 FT Container

CONTAINER	EUR PALLET	LAYOUT
2350 x 12032 mm	800 x 1200 mm	24 euro pallets

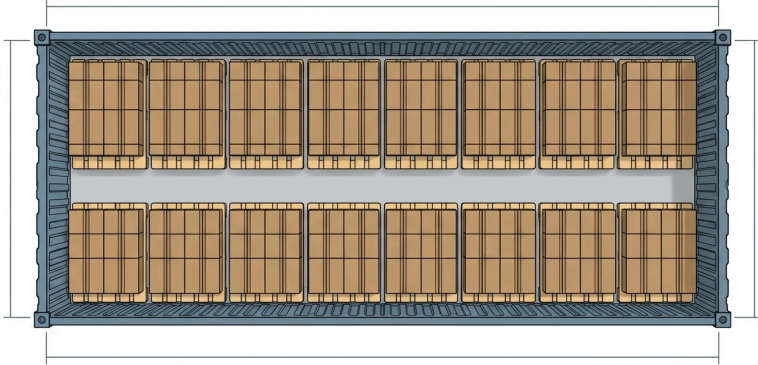
STACKING

8 boxes in 1 row (24 x 8 = 192 packages)  
 10 rows stacked per pallet  
 Height: 10 x 20 cm = 200 cm + 15 cm pallet foot = 215 cm

SAMPLE STUDY

24 pallets, 10 rows: 24 x 80 boxes = 1,920 boxes  
 1,920 x 24 = 46,080 pieces (approx. 20g package)

40 HC CONTAINER



### Loading Calculations — 40 HC Container

CONTAINER	EUR PALLET	LAYOUT
2350 x 12032 mm	800 x 1200 mm	24 euro pallets

#### STACKING

8 boxes in 1 row (24 x 8 = 192 packages)  
 11/12 rows can be stacked per pallet  
 11 rows: 11 x 20 + 15 = 235 cm  
 12 rows: 12 x 20 + 15 = 255 cm

#### SAMPLE STUDY

Scenario 1 (11 rows): 24 x 88 = 2,112 boxes — 50,688 pcs  
 Scenario 2 (12 rows): 24 x 96 = 2,304 boxes — 55,296 pcs

FTL TILT TRUCK



### Loading Calculations — FTL Tilt Truck

TRAILER	EUR PALLET	LAYOUT
2480 x 13600 mm	800 x 1200 mm	33 euro pallets

#### STACKING

8 boxes in 1 row (24 x 8 = 192 packages)  
 11/12 rows can be stacked per pallet  
 11 rows: 11 x 20 + 15 = 235 cm  
 12 rows: 12 x 20 + 15 = 255 cm

#### SAMPLE STUDY

Scenario 1 (11 rows): 33 x 88 = 2,904 boxes — 69,696 pcs  
 Scenario 2 (12 rows): 33 x 96 = 3,168 boxes — 76,032 pcs

*Drawings are for informative purposes only.*

# Pricing & Logistics Information

## PROCESSING COST

Processing cost (input weight)

**€2.50/kg**

## PACKAGE PRICING

20g package: €0.066 (3.5 TRY)

100g package: €0.33 (17.5 TRY)

500g package: €1.65 (87.5 TRY)

## BULK DISCOUNT

Volume discounts available after 1 ton minimum order. Contact sales for tiered pricing.

## PROCESSING RATIOS

**Blueberry:** 5:1 (5kg raw → 1kg freeze-dried)

**Processing Timeline:** 2–4 weeks

## LOGISTICS & PACKAGING

Maximum Package Size

**3.5 kg**

Container Capacity

**1 ton per shipment**

Shelf Life

**24–36 months unopened**

## SHIPPING REGIONS

Shipping Regions

**EU, Turkey, CIS**

Incoterms

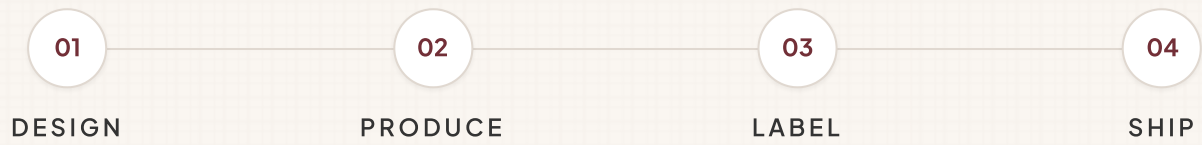
**EXW, FOB, CIF, DDP**



PRIVATE LABEL

# Your Brand, *Our Quality*

We manufacture and pack under your brand. From design to doorstep, we handle every step of your private label programme.



<p><b>MINIMUM ORDER QUANTITY</b> available on request</p>	<p><b>LABEL ARTWORK</b> PDF required, client-supplied</p>
<p><b>FULL WHITE-LABEL PROGRAMME</b> Covers all 29 SKUs in the range</p>	<p><b>AVAILABLE IN ALL FORMATS</b> whole, sliced, diced, powder, crumble</p>



FREEZE-DRIED FRUITS & DAIRY FROM TURKEY

*FREEZE-DRIED.CO*

### Request Samples Today

Request your product samples or price list.

b2b@freeze-dried.co - Response within 24 hours

Prices are reference-only and typically valid 1–2 weeks (max 1 month). Final quote depends on product, form, packaging, and delivery timeline. Freeze-dried fruit pricing follows seasonality.



