

PRODUCT DATA SHEET

EXPORTADORA DE BERRIES WILSON CAMPOS SPA

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IQF WHOLE ASPARAGUS – GRADE A

1. Product Overview

Description: Whole asparagus spears (var. Apolo, Atlas, UC 157) washed, sanitized, trimmed, calibrated, blanched, cooled, then IQF frozen at -25°C . Packed in polyethylene bags and corrugated boxes, with metal-detection control.

Key Features:

- Market: Export (Europe, USA, Australia)
- Shelf life: 24 months at -18°C
- Sizes & Calibers:
 - Diameters: 6–10 mm, 10–16 mm, 16–22 mm
 - Length: $17.5\text{ cm} \pm 1\text{ cm}$
 - Curvature: $\leq 45^{\circ}$
- Ingredients: 100% asparagus, non-GMO, additive-free
- Origin: Maule Region, Chile
- Packaging:
 - Primary: 60 μm blue LDPE bag
 - Secondary: corrugated box 30C
 - Formats: 1 kg / 10 \times 1 kg / 10 kg
 - Gross weight: 10.54 kg

Storage: Keep at -18°C . After thawing, use within 24 h. Do not refreeze.

2. Organoleptic Analysis

Attribute	Specification
Appearance	Intact, clean, firm spears
Color	Bright green, bronze-purple tips
Aroma/Taste	Fresh asparagus aroma, mild flavor
Texture	Crisp after brief cooking

3. Physical Tolerances (1 kg sample)

Component	Description	Limit
No heads	Spears without tips	100%
Out-of-caliber shafts	Diam. outside spec (mm ranges)	≤ 5 units
Length deviations	Outside 17.5 cm ±1 cm	≤ 5 units
Severe curvature (> 45°)	S-shaped or > 45°	0
Minor curvature (≤ 45°)	≤ 45° curves	≤ 8 units
Mechanical damage minor	Cuts < 1 cm ² or ≤ 3 missing bracts	≤ 8 units
Mechanical damage major	Cuts ≥ 1 cm ² or > 3 missing bracts	≤ 2 units
Insect/soil residue	Insects or soil present	None
Foreign plant matter	Leaves, seeds	None
Foreign matter	Plastic, metal, glass	None

4. Chemical Analysis

Parameter	Specification
pH	5.9 – 7.3
Water activity	≤ 0.92
Peroxidase	Negative (USDA method)
Pesticide residues	Compliant with RSA 977/96
Heavy metals	Non-detectable

5. Microbiological Specs

Parameter	Limit
Aerobic mesophiles	< 500,000 CFU/g
E. coli	Absence
Salmonella (25 g)	Absence
Listeria monocytogenes (25 g)	Absence
Foreign matter	Absence

6. Nutrition (per 100 g)

Nutrient	Amount
Energy	57 kcal
Total fat	0.33 g
Protein	0.74 g
Carbohydrates	14.49 g
Moisture	84.21 g
Sodium	1 mg

7. Packaging & Labeling

- Box label: product, grade, packaging, production & expiry dates, storage guidelines, origin
- All packages metal-detected
- Compliant with US (DFA, EPA), EU, KOR, NZ regulations

Prepared by EXPORTADORA DE BERRIES WILSON CAMPOS SPA – Sept 2025, Version 2.0

Esta ficha técnica cumple con todos los estándares internacionales de calidad e inocuidad alimentaria para productos congelados de exportación.