

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Jerusalem Artichoke

Helianthus tuberosus



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) Jerusalem artichoke MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Tuber vegetable, harvested and cured similarly to potato
Ethylene	Production Low · sensitivity Low (general postharvest guidelines)
Suitable for	Organic & conventional Jerusalem artichoke (inert film — no organic certification needed)
Background	Jerusalem artichoke is a tuber handled much like potato, with skin set as the main harvest indicator rather than foliage dieback. It is cured after harvest to heal wounds and reduce moisture loss, with a water loss rate comparable to new potato.

PERFORMANCE & BENEFITS

Shelf life – cold chain	6–8 weeks at 0–2 °C
Shelf life – ambient	7–10 days at ambient
Recommended atmosphere	O ₂ 3–5% · CO ₂ 3–5% · RH 90–95% General postharvest guidelines (similar to potato); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and shrivelling • Inhibition of browning • Prolonging freshness after curing • Maintained colour and firmness • Maintained freshness • Inhibition of storage mould and rots • Higher profitability due to reduced wastage

MATERIAL, FILM & COMPLIANCE

Film structure	Coextruded multilayer film — polyamide (Nylon-6, CAS 25038-54-4) and polyethylene / copolymer (CAS 9002-88-4)
Thickness / WVTR	22 microns · water vapour transmission (WVTR) 7–9 g/m ² /day
Properties	Transparent film; melting point 104–115 °C; density 0.918–0.923 g/cm ³ ; insoluble in water; stable
Food-contact compliance	FDA 21 CFR 177.1500 & 177.1520; EU 10/2011 and migration limits (EU) 1183/2012
Food safety	Manufactured under FSSC 22000 / ISO 22000 — current certificates on request

AVAILABLE SIZES

Formats Lifepack MAP bags available to fit standard 2, 5 and 10 kg cartons. Custom sizes on request.

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