

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Celery

Apium graveolens



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) celery MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Vegetable (petioles), harvested by size before stalks become pithy; large surface area, highly perishable
Ethylene	Production Very low · sensitivity Low (at low storage temperatures — UC Davis Postharvest)
Suitable for	Organic & conventional celery (inert film — no organic certification needed)
Background	Celery is harvested by size before the stalks become pithy and bitter, and its large surface area makes it highly prone to moisture loss if not cooled and packed quickly. Exposure to ethylene above 10 ppm can cause loss of green colour.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 2–4% · CO ₂ 3–5% · RH 95–100% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and limpness • Inhibition of stalk and leaf yellowing • Inhibition of chilling injury and water-soaking • Maintained freshness and firmness • Maintained crisp texture • 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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