PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Spring Onion

Allium fistulosum

PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) spring onion MAP bag. MAP maintains high humidity and delays senescence, thus keeping the product fresher and firmer for longer.
Produce type	Fresh (spring) onion grown for its stem; moisture-loss prone
Ethylene	Production Very low · sensitivity High (UC Davis Postharvest)
Suitable for	Organic & conventional spring onion (inert film — no organic certification needed)
Background	Fresh (spring) onion is grown for its stem and is very susceptible to moisture loss.

PERFORMANCE & BENEFITS

Shelf life – cold chain	4–6 weeks at 0–2 °C (32–36 °F)
Shelf life – ambient	5–7 days at 10 °C (50 °F)
Recommended atmosphere	O_2 1–2% · CO_2 5–10% · RH 95–100% General postharvest guidelines (UC Davis Postharvest; Singla et al., 2022); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and shrivelled outer leaves • Inhibition of chilling injury and water-soaked stems • Delayed senescence • Maintained freshness and firmness • 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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