

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Chive

Allium schoenoprasum



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) chive MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Culinary herb (leafy stem), harvested when soft to semi-woody; low thermal mass, highly perishable
Ethylene	Production Moderate · sensitivity High (both produces and is sensitive to ethylene — published postharvest data)
Suitable for	Organic & conventional chive (inert film — no organic certification needed)
Background	Chive is harvested while the stem is soft to semi-woody and is highly perishable due to its low thermal mass and large surface area. It both produces and is sensitive to ethylene, so control is essential to preserve its bright green colour and aroma.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 3 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 1–5% · CO ₂ 5–15% · RH 95–100% General postharvest guidelines (fresh culinary herbs); vary by cultivar, maturity & region.
LIFEPACK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and wilted stems • Preservation of aroma and flavour • Inhibition of chilling injury • Maintained fresh, green stems • 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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