

PRODUCT SPECIFICATION · LIFEPAK MAP BAG

Chicory (French Endive)

Cichorium intybus



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) French endive MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Blanched leaf vegetable (chicon), harvested by head size; grown without light to stay white
Ethylene	Production Low · sensitivity Moderate (UC Davis Postharvest)
Suitable for	Organic & conventional French endive (inert film — no organic certification needed)
Background	French endive (Belgian/witloof chicory) is a compact head of blanched leaves grown without light to preserve its white colour. It is highly prone to moisture loss, and ethylene exposure accelerates browning of the leaf edges.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–4 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 3–4% · CO ₂ 4–5% · RH 95–100% General postharvest guidelines (UC Davis Postharvest); vary by cultivar, maturity & region.
LIFEPAK MAP BAG KEY BENEFITS	• Extended shelf life for longer storage and distribution • Reduced dehydration, weight loss and dehydrated leaves • Inhibition of leaf-margin browning • Prolonging freshness after harvest • Maintained white 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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