

PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Radicchio

Cichorium intybus



PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) radicchio MAP bag. MAP maintains high humidity and prolongs senescence, thus keeping the product fresher and firmer for longer.
Produce type	Leaf vegetable (chicory type), harvested when the head is compact and firm
Ethylene	Production Low · sensitivity Moderate (increases leaf browning and decay — published postharvest data)
Suitable for	Organic & conventional radicchio (inert film — no organic certification needed)
Background	Radicchio is harvested once the head reaches full compaction and firmness; an immature head is loose while an over-mature head turns hard and loses flavour. It is highly prone to moisture loss, and low-oxygen storage needs careful management to avoid internal browning.

PERFORMANCE & BENEFITS

Shelf life – cold chain	3–4 weeks at 0 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O ₂ 3% · CO ₂ 5% · RH 95–100% General postharvest guidelines (published research); 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 chilling injury and water-soaking • Inhibition of leaf browning • Maintained deep red 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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