PRODUCT SPECIFICATION · LIFEPACK MAP BAG

Mushroom

Agaricus spp.

PRODUCT DETAILS

Product	Lifepack MA-MH (Modified Atmosphere / Modified Humidity) mushroom MAP bag. MAP maintains high humidity and delays senescence, thus keeping the product fresher and firmer for longer.
Produce type	Fungus (fruiting body), harvested by cap and veil maturity
Ethylene	Production Low · sensitivity Low (does not respond to ethylene — published postharvest data)
Suitable for	Organic & conventional mushroom (inert film — no organic certification needed)
Background	Mushroom is picked once the cap is rounded and, where applicable, the veil is still fully intact, with the stem cut long enough to avoid veil damage. It is highly prone to moisture loss, browning and chilling injury if handled poorly.

PERFORMANCE & BENEFITS

Shelf life – cold chain	Up to 2 weeks at 0–2 °C
Shelf life – ambient	5–7 days at 10 °C
Recommended atmosphere	O_2 1–3% · CO_2 15–17% · RH 90–95% 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, shrivelling and cap curling • Inhibition of blackening • Inhibition of chilling injury and water-soaking • 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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