



CHICORY PACKAGING



AATMANIRBHAR BHARAT

PM Formalisation of Micro Food Processing Enterprises Scheme (PM FME Scheme)

FUNCTIONS OF PACKAGING

CONTAINMENT

- Package contains the product within it
- Prevent leakage, pilferage and other losses

UTILIZATION

 Unitizes the product in suitable sizes for storage, transportation, marketing and distribution

FUNCTIONS OF PACKAGING

PROTECTION

Protects product from physical, chemical and microbiological spoilage

UTILIZATION

- Depicts different attributes of the product
- Displays important information about the contents

TYPES OF PACKAGING

PRIMARY

SECONDARY

TERTIARY

ANCILLARY

- Laminated pouches
- Plastic containers
- •Tin cans
- Parchment papers
- Shrink wraps
- Glass containers
- •Paper bags
- •Bubble wraps

- Plastic trays
- Plastic crates
- •EPS trays
- •Wooden crates
- Corrugated fibre boxes
 Wooden crates
- Wooden containers
- •Wooden pallets
- Plastic pallets

- Adhesives
- •Printing inks
- Caps and closures
- Tapes
- Labels

FEATURES OF PACKAGING

Protects from physical damage, chemical changes and hazards of handling
 Protects from microbial, insect and rodent damage
 Non toxic and non reactive with the product
 Environment friendly and biodegradable
 Permeable
 Filter out harmful UV light
 Minimize changes in quantity, physiological and biological quality



MATERIAL OF PACKAGING

GENERAL REQUIREMENTS FOR PACKAGING MATERIAL

Compatible with the product packed

Withstand the chemical, mechanical and thermal variations during the transportation

Clean, hygienic and tamper proof

Printed surface should not come directly in contact with food

IS 15495- printing inks

Tested in NABL (National Accreditation Board for Testing and Calibration Laboratories) accredited labs

SPECIFIC REQUIREMENTS FOR PACKAGING MATERIAL

Paper	and	Board	Material

- Clean, even material
- Grease proof paper IS 6622
- Vegetable parchment or grease paper/aluminium foil laminate-IS 7161
- Aluminium foil laminates IS 6615
- Folding box board, uncoated IS 1776
- Corrugated fibre board boxes- IS 2771-(P-I)

SPECIFIC REQUIREMENTS FOR PACKAGING MATERIAL

Glass containers in Food Contact –

•Glass needs to be smooth, with no blisters, cracks, sharp edges and visible defects

Metal and Alloys that come in Contact with Food-

- Free from rust and copper
- Cold-reduced electrolytic tinplate- IS 1993/ISO 11949
- Wrought aluminium and aluminium alloy sheet and strip for general engineering- IS 737
- Aluminium and aluminium alloy bare foil for food packaging- IS 15392
- Wrought aluminium and aluminium alloys for manufacture of utensils- IS 21

SPECEFIC REQUIREMENTS FOR PACKAGING MATERIAL

Plastic Materials intended to come in Contact with Food

- High-Density Polyethylene (HDPE)
- Low-Density Polyethylene (LDPE)
- Polypropylene (PP)
- Polystyrene (PS)
- Polyethylene Terephthalate (PET)
- All FCM made of plastic pass the overall migration limit of 60mg/Kg or 10mg/dm2when tested as per IS 9845
- Pigments or colorants used in plastics shall conform to IS 9833
- Packaging material shall not release substances exceeding limits of specific migration

PACKAGING MATERIALS USED COMMERCIALLY FOR CHICORY





PAPER DRUM



ZIPLOCK BAGS



GLASS CONTAINERS



CORRUGATED FIBRE BOXES



MOST COMMON PACKAGNG MATERIALS FOR CHICORY PRODUCTS

PACKAGING REQUIREMENTS TO BE FOLLOWED FOR THE GIVEN PRODUCT AS PER FSSAI







Roasted chicory cubes and dried chicory cubes of around 35 kg and 40kg should be packed in HDPE bags, respectively



Roasted chicory powder of 25kg and malt extract powder of 25Kg should be packed in carton or HDPE bags

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