



## PRODUCT NAME –KEEP IT FRESH TUBE FILTER

### TECHNICAL DATASHEET

**PRODUCT CODE – KIF 798 TUBE**

#### PRODUCT DESCRIPTION

KIF Tubes are used primarily in reefer containers and cold storages to absorb the ethylene gas inside the container. The long haulage and transportation can cause excessive accumulation of ethylene gas inside the container causing alarmingly high acceleration of ripening of fruits and vegetables causing early decay of the produce. The ethylene production from fruits and vegetable can hamper the freshness at the time the produce reaches the destination.

KIF Tubes consists of special composition mixture of zeolite powder and potassium permanganate in a certain composition that causes ethylene & moisture absorption by simultaneously causing volatile bacterial inhibition (VBI). Ethylene causes shattering, deterioration and ripening on the other hand excess moisture is likely to speed up decay and the development of mould and fungus either during the storage/transportation period.

Keep It fresh Tubes can be easily placed in cold storages, walking coolers, reefer vans and non reefer vans of fresh fruits, vegetables and flowers. The KIF Tubes work in a multiple ways to protect and extend shelf life of fresh produce.

Keep it fresh Tubes contain ethylene absorbers packed with non-woven cloth which acts as breathable membrane. The absorption of the

gas reduces the ripening speed and hence increasing the shelf life of fresh produce.

#### FEATURES

- Removes ethylene, mould and fungal growth, decay, discoloration, uneven ripening, wilting, softening, scald, loss of crunch, tenderness, weight loss and other effects caused by ethylene gas
- Use during postharvest handling of produce (fresh fruits, vegetables and flowers)
- Slows down the ripening process
- Use during storage or domestic and international shipments like via air, sea, reefer vans, train trucks, moving coolers, kitchen refrigeration units and cold storage's
- Nature friendly, made up of natural minerals, chemically inert and non-toxic
- Can be decomposed of as normal waste

#### USAGE

Place the Tube in front of the suction area of ventilation system of a cold room. KIF Tube Causes negligible pressure drop as the air passes through the filter and reduces ethylene content. 1no. to 3nos. tubes are recommended per COLD STORAGE & REEFER depending on Voyage Time, Type of Fruit etc.



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#### APPLICATION

- Reefer Vans
- Non Reefer Vans
- Cold Storages
- Sea Containers
- Walking Coolers
- Retail Coolers
- Retail Transport and Shelves
- KEEP IT FRESH Transportation Filters Tubes
- Oxidises Ethylene Gas
- Clean Air

Protection of Fresh fruits, vegetables and flowers from ethylene effect. Increases the shelf life of produce. Works on 3 way action system ethylene, moisture absorption and volatile bacterial inhibition (VBI)





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#### TECHNICAL PROPERTIES

Physical Properties	Value
Weight of base Tube (gsm)	70%
KIF Beads	30%
Ethylene absorb capacity For 1000mm	4.0 ltrs
for 750 mm	3.0 ltrs
for 500 mm	2.0 ltrs

#### APPLICATIONS PICTURE



#### PACKAGING AND STORAGE

Store in a cool dry place in the initial packing form delivered by company and always keep carton box closed and tube wrapped in film when not in use.



#### DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product. KIF Tubes undergoes natural decomposition.

#### SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe to be used with edibles
- FDA certified

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#### LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on validations and tests conducted by KEEP IT FRESH LLP or its partners and are believed to be reliable, but the accuracy or completeness thereof is not guaranteed. We warrant our products will be free from defects when shipped to customer. Our obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Keep it fresh llp or its partners or agent of the claimed defect within 3 months after shipment of product to customer. Customer shall pay all freight charges for replacement products. We shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. And any financial claims shall be limited to the value of the paper sold. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and

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(Middle East & North Africa) United  
Kingdom United States Uruguay Vietnam

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