

# GAMMATEX™

## Chemical Sterilisation Indicators

### Technical Data Sheet : Product Code: ETOSTRIPE

- Chemical Process Indicators (CPIs)
- For Monitoring Ethylene Oxide Processes
- ISO 11140-1 TYPE 1



Product Code	Packing Specification	Unexposed	Exposed to 54°C, 20 mins, 60% RH, 600 mg/L
ETOSTRIPE	Label size - <b>MADE TO ORDER</b> Labels per roll - <b>MADE TO ORDER</b> Suitable for either Thermal Transfer or Direct Thermal overprint		

The colour change achieved from exposure to EO may vary from the example above due to differences in processing parameters (i.e. dosage level, plant load content, process cycle timings). For a Type 1 Process indicator a colour change to a shade of dark yellow/orange after exposure is deemed acceptable.

### Product Description:

ETOSTRIPE Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels are self adhesive labels that undergo a simple colour change when exposed to the Ethylene Oxide (ETO) sterilisation process. The labels undergo a clear and distinct colour change from yellow to dark yellow/ orange when activated. Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels can be used as process indicators to easily identify processed and unprocessed products and are designed to be qualitative indicators and not quantitative dosimeters for the Ethylene Oxide (ETO) sterilisation process. Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels may be used to sterilise medical and pharmaceutical products that cannot support conventional high temperature steam sterilization - such as devices that incorporate electronic components, plastic packaging or plastic containers. Processed labels may be retained as part of the quality control record for validation purposes. Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels contain no lead or other toxic heavy metals and only use latex-free pressure sensitive adhesive.

### Supply unit:

ETOSTRIPE Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels are made to order and therefore can be made to suit any end users specific specifications. The ETOSTRIPE Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels are manufactured with a base blank label with an integrated Ethylene Oxide (ETO) stripe along its edge. The base label can be made using materials suitable for either Thermal Transfer or Direct Thermal over printing by the end users. This facility allows the end user to over print marketing material, branding, serial numbers, LOT or batch information. Label size, Base material and reel sizes can be tailored to individual requirements - please contact us for more details.

### Application:

Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels should be removed from the backing paper and applied to a clean, dry patch of the article to be processed with the coloured surface uppermost. The label should be subject to the full process cycle. When processing conditions vary then a representative number of labels should be applied. The label should not be used for more than one processing cycle.

### Shelf life and storage:

The shelf life of 12 months is recommended for both unprocessed and processed labels provided they are stored in ambient conditions below 20°C and 50% R.H. and in the dark. Unprocessed indicators may experience colour changes at raised temperatures. Unprocessed labels may be experience colour changes at elevated temperatures or under high humidity conditions. The indicators must be protected from exposure to UV light, sunlight, excessive heat, chemicals or chemical vapours

### Disposal:

Gammatex Ethylene Oxide (ETO) Chemical Process Indicator labels may be disposed of using customary practice for non-hazardous materials. No special precautions are required. Please follow any relevant environmental legislation

**The data contained in this application is based upon careful investigations and is intended for guidance only. Users are advised to carry out their own tests as to the suitability of the products for a particular use. Gammatex do not accept responsibility for uses of its products that are not under its control.**