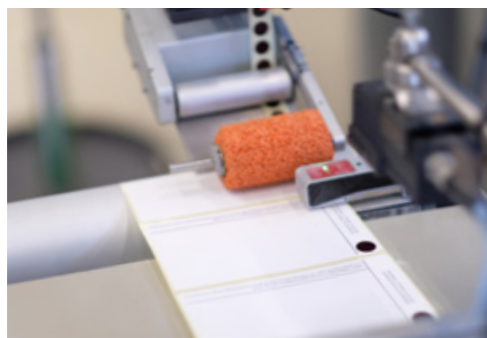




Customized designs on request

Customized product labels are available in various dimensions. Etigam can supply these upon request. They are already provided with an indicator dot or strip, reducing the time and costs of additional handling. The product labels can also be pre-printed with company details.



ADVANTAGES:

- saving on labour
- consistent positioning of the indicator
- labels available for thermal or thermo transfer
- high visibility
- batch identification and visual sterilization evidence on 1 label

Other special products

A wide range of other products is available in addition to the products mentioned in this brochure.

1.1.01

irradiation indicator, colour change yellow – violet

non-irradiated



irradiated



5.3.01.07

irradiation indicator, colour change green - violet, striped design

non-irradiated



irradiated



PE labels and cores

on request available on PET backing and PE cores

METO hand applicator

for fast and easy application, with or without printhead



Also available Biological Indicators



The print methods which are used to produce this folder differ from the methods used in our indicator products.



Etigam bv
Prinsenweide 30
7317 BB Apeldoorn
The Netherlands

Phone +31 55 5211721
E-mail info@etigam.nl
Internet www.etigam.nl

Sterilization Indicators

Self-adhesive process indicators that change colour during sterilization



Visual evidence at your fingertips

Introduction to our sterilization indicators

AN ESSENTIAL PART OF ANY STERILITY-ASSURANCE PROGRAM IS THE CHEMICAL STERILIZATION PROCESS INDICATOR. ETIGAM INDICATORS CAN BE USED IN GAMMA, E-BEAM, X-RAY, EO GAS AND STEAM PROCESSES.

Etigam type 1 sterilization indicators are developed to provide visual evidence that products have been processed. They respond with a significant colour change on the defined minimum sterilization performance requirements. Sterilization indicators are used to allow differentiation between processed and unprocessed items, and/or indicate gross failure of a sterilization process. Etigam indicators are manufactured following the guidelines of ISO 11140-1:2014 "Sterilization of health care products – chemical indicators – part 1: General requirements".



EO Sterilization process indicators

Colour change violet - green



Etigam self-adhesive EO gas indicators provide visual evidence that items have been processed. They respond to physical conditions during the process with a significant colour change from violet to green. The shade of green may vary depending on the process parameters used (time, temperature, gas concentration, gas mixture etc.). Standard indicators can be supplied from inventory. Customized labels are available upon request.

code & description	unprocessed	processed
8.01 circular indicator, Ø 12,7 mm		
8.14 indicator for use with a METO hand applicator*, 26 x 12 mm		
8.01.17 circular indicator with text 'green is ETO exposed', Ø 12,7 mm		
8.(12,7)P05 circular indicator with diapositive text 'green is EO exposed', Ø 12,7 mm		
8.(42x16,5) rectangular label, can be printed, 42 x 16,5 mm		

IRRAD

Sterilization process indicators

Dose range >10 kGy (>1 Mrad)
Colour change yellow - red



Etigam self-adhesive irradiation indicators provide visual evidence that items have been exposed. They respond to gamma, e-beam and x-ray radiation with a significant colour change from yellow to red. Standard indicators can be supplied from inventory. Customized labels are available upon request.

Applications include:

- sterilization of medical and pharmaceutical products
- cross linking of polymers
- preservation of foodstuffs
- decontamination of herbs and spices

code & description	non-irradiated	irradiated
2.01 circular indicator, Ø 12,7 mm		
2.01 Y Exp circular indicator with text 'red is γ exposed', Ø 12,7 mm		
2.12.04 square indicator with printed circle with text 'red is γ exposed', 14 x 14 mm		
2.12.06 square indicator with text 'red is β exposed', 14 x 14 mm		
2.14 indicator for use with a METO hand applicator*, 26 x 12 mm		
2.(52x17) rectangular label, can be printed, 52 x 17 mm		
Dose range > 6 kGy (0,6 - 1 Mrad) Colour change green - violet		
3.3.01 circular indicator, Ø 12,7 mm		

STEAM

Sterilization process indicators

121°C/1 bar or 134°C/2 bar
Colour change pink - dark brown



Etigam self-adhesive steam indicators provide visual evidence that items have been exposed. They respond to physical conditions inside an autoclave with a significant colour change from pink to dark brown. Standard indicators can be supplied from inventory. Customized labels are available upon request.

code & description	unprocessed	processed
4.01 circular indicator, Ø 12,7 mm		

