

## PRODUCT SPECIFICATION

### ETHYLENE OXIDE – CARBON DIOXIDE (MIXTURES)

≤ 9 wt. % ethylene oxide/carbon dioxide  
 > 9 wt. % ethylene oxide ≤ 58 % /carbon dioxide  
 > 58 wt. % ethylene oxide ≤ 87 /carbon dioxide  
 > 87 wt. % ethylene oxide/carbon dioxide

Formula : C<sub>2</sub>H<sub>4</sub>O-CO<sub>2</sub>  
 Product numbers : 51XX

	<u>Value</u>	<u>Units</u>
<b><u>Ethylene oxide</u></b>	≥ 99,9	% (weight)
<b><i>Impurities :</i></b>		
Water	≤ 100	ppm (weight)
Aldehyde (acetaldehyde)	≤ 30	ppm (weight)
Carbon dioxide	≤ 100	ppm (weight)
Acidity (acetic acid)	≤ 20	ppm (weight)
Residue	≤ 5	mg/100ml
Appearance	Clear, colorless liquid	
<b><u>Carbon dioxide</u></b>	≥ 99,99	% (vol.)
<b><i>Impurities :</i></b>		
Water	≤ 10	vol. ppm
Oxygen + nitrogen	≤ 80	vol. ppm
C <sub>n</sub> H <sub>m</sub>	≤ 10	vol. ppm

The specifications refer to the liquid phase.

The conformity of the product which is filled into the receptacles with the above mentioned specification is ensured by our quality, environment and safety management system according to ISO 9001, ISO 14001 and OHSAS 18001.

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