



# BIOGON<sup>®</sup> food grade gases.

## BIOGON<sup>®</sup> NC, NCO, CNO, compressed gas mixtures.



**Application** Within the food industry, product-specific, ready-mixed gas mixtures are used in conjunction with the packaging of food. The gas mixtures consist of nitrogen, carbon dioxide and oxygen. The technology is called packaging in a modified atmosphere (MAP). Our concept is called MAPAX<sup>®</sup>. The various food grade gases are called BIOGON<sup>®</sup>. Surveys show that customers prefer raw products with freshness, where the loss of vitamins and nutrition is minimised. MAPAX<sup>®</sup> enables vitamins and nutrition to be retained while also reducing bacterial growth and rancidity, providing better colour stability and protecting the product against crushing during transport. The gas cylinders containing food grade gases are green and easy to recognise. The colour code on the neck of the cylinder differentiates the various gases. Our food grade gases comply with all EU requirements and are traceable. Our sales staff can provide more information and advice about which gas is best suited to your product and form of packaging.

**Product specification** **BIOGON<sup>®</sup> NC, NCO, CNO, compressed gas mixtures.**

Product name	Composition gas %			Impurities unit ppm		Odour, taste	Cylinder type	Contents	Material number*
	N <sub>2</sub>	CO <sub>2</sub>	O <sub>2</sub>	H <sub>2</sub> O	O <sub>2</sub>				
BIOGON <sup>®</sup> NC 30	70	30		≤ 50	≤ 30	none	10 l	2,2 m <sup>3</sup>	
BIOGON <sup>®</sup> NC 30	70	30		≤ 50	≤ 30	none	20 l	4,6 m <sup>3</sup>	
BIOGON <sup>®</sup> NC 30	70	30		≤ 50	≤ 30	none	50 l	11,4 m <sup>3</sup>	
BIOGON <sup>®</sup> NC 30	70	30		≤ 50	≤ 30	none	12x50 l	136,4 m <sup>3</sup>	
BIOGON <sup>®</sup> NC 50	50	50		≤ 50	≤ 30	none	50 l	8,2 m <sup>3</sup>	
BIOGON <sup>®</sup> OC 25		25	75	≤ 50		none	50 l	12,4 m <sup>3</sup>	
BIOGON <sup>®</sup> NCO 10 10	80	10	10	≤ 50		none	50 l	12,4 m <sup>3</sup>	

**Products** **Gases as additives**

Nitrogen	E 941
Carbon dioxide	E 290
Oxygen	E 948

\*Differs between countries, see local language version.

All BIOGON<sup>®</sup> products comply with the requirements in European food legislation. This includes, among others, the European regulation (EC) no. 852/2004, regulation (EC) no. 178/2002, regulation (EC) no. 1333/2008 and regulation (EC) 231/2012. The gases in the BIOGON<sup>®</sup> product group do not contain any allergens. No genetically modified organisms (GMO) are used in the manufacturing process for BIOGON<sup>®</sup> gases.

**Safety** Our goal is to maintain a high level of safety and protection, both for employees and the environment. Please read our safety data sheets (available at our web sites) before you use the product.

**Delivery form** Gas cylinders/bundles.