

30% CO₂ / 20% O₂ / 50% N₂ - Product Code 42103



As a specialist supplier of premium gas products for use in the food and beverage industry, Air Products is dedicated to supporting customers with technical expertise and comprehensive applications knowledge. Whether you are using a gas or liquid for food or beverage production as a processing aid, ingredient or additive, our specification for food grade products comply with relevant food safety legislation.

Cylinder and pack specifications

Mixture	30% CO ₂ / 20% O ₂ / 50% N ₂
Fill pressure	200 bar
Cylinder content	11.28 m ³
Size	X47
Height	1160mm-1170mm
Weight	76.08 Kg
Valve	BS3 RPV with Dip Tube
Body colour	Blue Lilac
Shoulder colour	Yellow Green

Food Grade gases specifications (EU Directive)

	CO ₂	N ₂	O ₂	Ar	H ₂
E number if used as additive	E290	E941	E948	E938	E949
Minimum total purity	≥99%	≥99%	≥99%	≥99%	≥99.9%
H₂O		≤0.05%	≤0.05%	≤0.05%	≤50ppm
CO	≤10ppm	≤10ppm			
NO/NO₂		≤10ppm			
THC as CH₄		≤100ppm	≤100ppm	≤100ppm	
O₂		≤1%			≤10ppm
Oil	≤5mg/kg				
N₂					≤0.07%
Acidity	pass test				
Reducers	pass test				

Concentrations expressed in volume.

EU traceability/quality regulations:

- Food Safety - including regulation (EC) No 178/2002
- Food Hygiene - including regulation (EC) No 853/2004
- Food Additives - including regulation (EC) No 1333/2008 and Commission Regulation (EU) No 231/2012
- Materials in Contact with Food - including Regulation (EC) 1935/2004

Air Products' Food Grade Gases exceed the purity criteria specified in the Commission Regulation (EU) No 231/2012 and it consequently conforms with the EU Purity criteria for Food additive gases. If you require further information regarding product specifications, please contact your Air Products representative.

[tell me more](#)

UK

Air Products PLC
 2 Millennium Gate
 Westmere Drive
 Crewe CW1 6AP
 T +44 0800 389 0202
 F +44 01932 258 652
 apukinfo@airproducts.com
 airproducts.co.uk



from that stated above. The above information is for guidance purposes only.