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tell me more
airproducts.co.uk/food

Freshline®
MAP gases



Certificate of conformity
Certificat de conformité
Conformiteitscertificaat
Konformitätszertifikat
Deklaracja zgodności
Prohlášení o shodě
Certifikát o zhode

Lot/Batch No.

Freshline gases equipment and services

- Modified Atmosphere Packaging (MAP) including our new Freshline Plus cylinder which features an external coating containing BioCote[®] antimicrobial technology¹ to preserve the surface and prevent degradation caused by bacterial growth
- Equipment for freezing, chilling, mixing and forming
- Wastewater treatment

¹Active ingredient: silver phosphate glass



Safety datasheets can be obtained at
www.airproducts.com/msds



EU Food Grade Gases Specifications²

	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%
H ₂ O		≤0.05%	≤0.05%	≤0.05%	≤50ppmv
CO	≤10 ppmv	≤10 ppmv			
NO/NO ₂		≤10 ppmv			
THC as CH ₄		≤100 ppmv	≤100 ppmv	≤100 ppmv	
O ₂		≤1%			≤10 ppmv
Oil	≤5mg/kg				
N ₂					≤0.07%
Acidity	Pass test				
Reducing substances (H ₂ S & PH ₃)	Pass test				

²in accordance with Commission Regulation (EU) No 231/2012

Air Products Food Grade Gases Purity Criteria are more stringent than Commission Regulation (EU) No 231/2012 and it consequently conforms with the EU Purity Criteria for Food Gases

EU traceability/quality regulations

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