



# DALCO ENGINEERING SYSTEMS LTD

*Nitrogen & Oxygen Gas Generation Systems*  
*Witt Gas Mixing Systems: N<sub>2</sub>, O<sub>2</sub>, Co<sub>2</sub> Gases*  
*Complete Turnkey Gas Generation Systems*  
*Domnick Hunter Filtration Products*  
*Process Gas & Liquid Filtration*



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## SAMPLE

Reference your Nitrogen Systems

Model :

N<sub>2</sub> purity : 0.5% Oxygen content (99.5% Inert Gases) Food Quality Spec

## Certificate of Conformity

### Euro Food Grade Nitrogen Gas (E941) Specification

#### EU Regulation No 231/2012

#### laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council as amended

This is to confirm Dalco Nitrogen Gas Systems conform to **EU REGULATION (EU) No 231/2012 laying down specifications for food additives** as installed.

Euro Food Grade Nitrogen has four main points for quality specifications these are

#### Eu Specification

1. Moisture <0.05% (500PPM)
2. Co Levels <10µl/L (10ppm)
3. THC < 100 µl/L (100ppm)
4. Residual Gases <1% O<sub>2</sub>

#### Dalco System Results

- Moisture less than < 0.0003% (3ppm)  
Co Levels less than <1µl/L (1ppm)  
Total hydrocarbon <5µl/L (5ppm)  
Oxygen less than <0.5%

Dalco Nitrogen Gas Generation System meets all the criteria set by EU for Food Grade Nitrogen Gas. The main component is residual oxygen at 1%. We supply our systems with a control analyser to monitor and check the level at all times. By using a higher specification we get a bit of a safety margin for your process. The quality of Gas is monitored live all the time via the on-line live oxygen analyser built into system.

Also as a total quality control system we have fitted a Pharma grade F.D.A approved BIO X sterile gas filter on the system which gives the gas a guarantee of protection far beyond what comes from a dirty bottle of gas.

Regards

**John Daly**