



**EXTERNE SPECIFICATIE: CO₂ ;
KOOLSTOFDIOXIDE, DIOXYDE DE
CARBON, CARBON DIOXIDE (Bulk)**

SPE.10.051
Blad 1 / 2

Opsteller: Quality
manager

Datum: 03/07/03
Versie: 6

Goedgekeurd:
Technisch
directeur

De specificaties zijn geldig voor leveringen van vloeibare CO₂ in de tankwagens.

CO₂ *liquéfié livré en camion-citerne.*

Liquid carbon dioxide supplied by road tanker.

CARBOLIM - CARBODOUR

	Specificatie Spécification Specification	Detectie limiet Limite de détection Detection limit
CO ₂ Zuiverheid (berekend) - <i>Pureté CO₂ (calculé)</i> - CO ₂ purity (calculated)	> 99,99 %	
Waterdamp - <i>Vapeur d'eau</i> - Water (H ₂ O)	< 5 ppm v/v	
Acidity	JECFA test	
Zuurstof + argon - <i>Oxygène + argon</i> - Oxygen + argon (O ₂ + Ar)	< 10 ppm v/v	
Zuurstof + argon + stikstof - <i>Oxygène + argon + azote</i> - Oxygen + argon + nitrogen (O ₂ + Ar + N ₂)	< 70 ppm v/v	
Waterstof - <i>Hydrogène</i> - Hydrogen (H ₂)	< 5 ppm v/v	
Methaan - <i>Méthane</i> - Methane (CH ₄)	< 0,5 ppm v/v	
Ammoniak - <i>Ammoniac</i> - Ammonia (NH ₃)	N.D.	0,25 ppm v/v
Stikstofoxides - <i>Oxydes d'azote</i> - Oxides of nitrogen (NO _x)	N.D.	0,50 ppm v/v
Zware koolwaterstoffen (olie) - <i>Hydrocarbures lourds (huiles)</i> - Heavy hydrocarbons (oil)	< 0,2 ppm w/w	
Niet vluchtige resten - <i>Résidus non volatils</i> - Non volatile residue	< 10 ppm w/w	
Niet vluchtige organische resten - <i>Résidus organiques non volatils</i> - Non volatile organic residue	< 5 ppm w/w	
Phosphine	N.D.	0,1 ppm v/v
Lichte koolwaterstoffen als methaan - <i>Hydrocarbures légers comme méthane</i> - Volatile hydrocarbons as methane	< 5 ppm v/v	
Lichte koolwaterstoffen zonder methaan - <i>Hydrocarbures légers sans méthane</i> - Volatile hydrocarbons without methane	< 1 ppm v/v	
Acetaldehyde - <i>Acétaldéhyde</i> - Acetaldehyde	< 0,2 ppm v/v	
Koolstofmonoxide - <i>Monoxyde de carbon</i> - Carbon monoxide (CO)	< 0,2 ppm v/v	
BTEX	< 0,005 ppm w/w	
Methanol - <i>Méthanol</i> - Methanol	< 10 ppm v/v	
Totaal zwavelgehalte - <i>Soufre total</i> - Total sulphur	< 0,050 ppm w/w	
Geur en smaak: geurloos; zuiver en typisch, niet branderig, stekend of olieachtig. <i>Odeur et goût: sans odeur; pur et caractéristique, non irritant.</i> Odor and taste: odorless; clean and typical, no burning-, stinging- or oil taste.		

N.D. = Niet detecteerbaar = Non détectable = Non detectable

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	Opsteller: Quality manager	Goedgekeurd: Technisch directeur

Certificate:

A.C.P., Dellestraat 55, 3550 Heusden – Zolder, hereby certify that the carbon dioxide complies:

- ♦ *With the requirements given in the European Directive 96/77/EC and 98/86/EC, laying down specific purity criteria on food additives other than colours and sweeteners.*
- ♦ *With the requirements given in the European Directive 93/43/EC, laying down food hygiene.*
- ♦ *With the requirements given in the European Directive 315/93/EEC laying down Community procedures for contaminants in food.*
- ♦ *With the guidelines on Carbon dioxide of the ISBT (International Society of Beverage Technologists, Revision April 1999).*
- ♦ *With the guidelines on Carbon dioxide of the EIGA (European Industrial Gases Association, Reversion April 1999)*