

## PRODUCT SPECIFICATION

01986

### CARBON DIOXIDE - STANDARD QUALITY

EIGA carbon dioxide source qualification quality standards and verification, document 70/08.

ISBT Bulk CO2 Quality Guidelines – 2009 Revision.

#### Composition:

CO <sub>2</sub> purity	> 99,9 %
Moisture (H <sub>2</sub> O)	< 20 ppm v/v
Oxygen (O <sub>2</sub> )	< 30 ppm v/v
Ammonia (NH <sub>3</sub> )	< 2,5 ppm v/v
Oxides of nitrogen (NO/ NO <sub>2</sub> )	< 2,5 ppm v/v
Non volatile residue	<10 ppm w/w
Non volatile organic residue	< 5 ppm w/w
Phosphine	< 0,3 ppm v/v
Volatile hydrocarbons as methane	< 50 ppm v/v
Volatile hydrocarbons without methane	< 20 ppm v/v
Acetaldehyde	< 0,2 ppm v/v
Carbon monoxide (CO)	< 10 ppm v/v
Benzene	< 0,020 ppm v/v
Methanol	< 10 ppm v/v
Total sulphur*	< 0,100 ppm v/v
Taste and odor in water	No foreign taste or odor

\*If the total sulphur content exceeds 0,100 ppm v/v as sulphur then the species must be determined separately and the following limits apply:

Carbonyl Sulphide 0,100 ppm v/v max.

Hydrogen Sulphide 0,100 ppm v/v max.

Sulphur Dioxide 1,00 ppm v/v max.

The present document attests that the product described above is conformed to Commission Directive 2008/84/EC "laying down specific purity criteria on food additives other than colors and sweeteners" modified by Directive 2010/67/EC. (E290)

CO<sub>2</sub> suitable as refrigerant R744 in the refrigeration and air conditioning industry.

#### Option:

Certificate of conformity

Date of over the goods – 14.06.2023

26/08/2013- version 5



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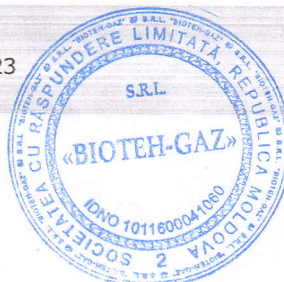
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