

All CO2 gas supplied by KegLand is made to meet or exceed ISBT Beverage Grade Carbon Dioxide Guidelines as shown below

NOTE: For more information refer to the International Society of Beverage Technologists ([www.bevtech.org](http://www.bevtech.org))

Parameter		Rationale <sup>1</sup>
Purity	99.9% v/v min.	Process
Moisture	20 ppm v/v max.	Process
Acidity	To pass test	Regulatory
Oxygen	30 ppm v/v max.	Sensory
Nitrogen compounds		
Ammonia	2.5 ppm v/v max.	Process
Nitric oxide/nitrogen dioxide	2.5 ppm v/v max. each	Regulatory
Non-volatile residue	10 ppm w/w max.	Sensory
Non-volatile organic residue	5 ppm w/w max.	Sensory
Phosphine	To pass test (0.3 ppm v/v max)	Regulatory
Total volatile	50 ppm v/v max. of which 20 ppm v/v	Sensory
Hydrocarbons (as methane)	max. of non-methane hydrocarbons	
Acetaldehyde	0.2 ppm v/v max.	Sensory
Aromatic hydrocarbon	0.020 ppm v/v max.	Regulatory
Carbon monoxide	10 ppm v/v max.	Process
Total sulfur (as S)	0.1 ppm v/v max.	Sensory
Carbonyl sulfide	0.1 ppm v/v max.	Sensory
Hydrogen sulfide	0.1 ppm v/v max.	Sensory
Sulfur dioxide	1 ppm v/v max.	Sensory
Appearance in water	No color or turbidity	Sensory
Odor	Odorless	Sensory
Taste and odor	No foreign taste or odor in water	Sensory

Table 1. ISBT Carbon Dioxide Guidelines.

<sup>1</sup>Rationale definitions:

Sensory: Any attribute that negatively impacts the taste, appearance, or odor of beverage.

Process: Any attribute that defines a key parameter in a controlled process and an important consideration in the beverage industry.

Regulatory: Any attribute whose limit is set by governing regulatory agencies.