

**INDORAMA**



**RustaviAZOT**

## **CERTIFICATE OF QUALITY GASEOUS CARBON DIOXIDE GOST 8050-85**

**CO<sub>2</sub>  
UN1013**

Gaseous Carbon Dioxide is obtained from the exhaust gases of ammonia production.

### **NAME OF THE CHARACTERISTICS:**

Volumetric share of carbon dioxide (CO <sub>2</sub> ), %, min	99,5
Volumetric share of carbon oxide (CO)	Should sustain the test by clause 4.4
Mass concentration of mineral oils and mechanical impurities, mg/kg, max	0,1
Presence of hydrogen sulphide	Should sustain the test by clause 4.6
Presence of hydrochloric acid	Should sustain the test by clause 4.7
Presence of sulphurous and nitrous acids and organic compounds (alcohols, ethers, aldehydes and organic acids)	Should sustain the test by clause 4.8
Presence of ammonia and ethanolamines	Should sustain the test by clause 4.9
Presence of smell and taste	Should sustain the test by clause 4.10
Fraction of total mass of water, %, max	Should sustain the test by clause 4.11
Mass concentration of water vapors at temperature 20°C and pressure 760mm Hg, g/m <sup>3</sup> , max which corresponds to the saturation temperature of carbon dioxide by water vapor at pressure 760 mm Hg and a temperature of 20°C, max	0,184
Presence of aromatic hydrocarbons	minus 34
Presence of vanadium oxides	Should sustain the test by clause 4.13
	Should sustain the test by clause 4.14

### **PROPERTIES:**

Gaseous Carbon Dioxide is a colorless gas with slightly sour smell and taste.

Gaseous Carbon Dioxide is non-toxic and non-explosive.

### **APPLICATIONS:**

Gaseous Carbon Dioxide is used for :

- create a protective environment for welding metals;
- food purposes in the production of carbonated beverages, dry ice;
- cooling, freezing, storing food;
- fire fighting and other purposes in all industries.

### **SHIPMENT:**

Gaseous Carbon Dioxide is transported in balloons and special containers by all types of transport.

[www.rustaviazot.ge](http://www.rustaviazot.ge)

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