## CARBON DIOXIDE- carbon dioxide gas MESSER GAS PUERTO RICO, INC

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#### Carbon Dioxide Refrigerated Liquid USP

#### PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

BULK CARBON DIOXIDE USP CERTIFICATE OF ANALYSIS

This is to certify that the carbon dioxide produced		on .
meets the United States Pland requirements of Federal Specifications BB-C-101 of product was manufactured at a facility registered Administration and is approved for prescription diguaranteed to meet any other specification or interest.	Grade A and QVL with the Federal rug use. This pro	E of CGA G6.2. This Food and Drug duct is not
Furthermore, batch number, which was loaded on, comprises this shipment a		and filled at

Analytical results are generated using USP monograph or validated equivalent methods.

Requirement	Test Method	Limit of Detection	Specification Limit	Analysis Results
Carbon Dioxide Assay (CO <sub>2</sub> )	Zahm Nagel	99.00%	≥ 99.0%	
Nitrogen Oxides (NOx)	Detector Tube	0.5 ppm	2.5 ppm each	
Ammonia (NH <sub>3</sub> )	Detector Tube	0.25 ppm	25 ppm	
Total Sulfur	Analyzer	10 ppb	1000 ppb	
Carbon Monoxide (CO)	Detector Tube	0.5 ppm	10 ppm	
Moisture (H <sub>2</sub> O)	Analyzer	0.5 ppm	200 ppm or -33°F Dew Point	



### Bulk Carbon Dioxide USP Certificate of Analysis

his is to	certify that the carbon	dioxide produced at		eia (USP) specifications,	n .h
he Fede		Grade A and QVL E o inistration and is app	f CGA G6.2. This product roved for prescription d	era (USP) specifications, t was manufactured at a f lrug use. This product is n	acility registered with
urtherm	nore, batch number		a	and lot number	
	190	, which	was loaded on	and filled	dat
		, com	prises this shipment and	l was analyzed as shown	below.
nalytica	al results are generated	l using USP monogra	ph or validated equivale	ent methods.	
	Requirement	Test Method	Limit of Detection	Specification Limit	Analysis Results
Carbon Dioxide <u>Assay (</u> CO <sub>2</sub> )		Zahm Nagel /Analyzer	99.99%	≥99.0%	
Nitrogen <u>Oxides (</u> NO <sub>x</sub> ) <u>Ammonia (</u> NH3)  Total Sulfur  Carbon <u>Monoxide (</u> CO)		Detector Tube	0.5 ppm	≤2.5 ppm each	
		Detector Tube	0.25 ppm	≤25 ppm	
		Analyzer	10 ppb	≤1000 ppb	
		Detector Tube /Analyzer	0.5 ppm	≤10 ppm	
		Analyzer	0.5 ppm	≤200 ppm (150 mg/ m³ or -33° F Dew Point)	
Note:	2) The limit of detection results. A test result 3) ND = None Detected 4) ppm = parts per milli	n (LOD) for each test meth outside the detection lim on by volume, ppb=parts	od is the threshold value for r it for the test method will be r per billion by volume, 1ppm=		ainty in the accuracy of
	Pr	oduct analyzed using	Messer Premier Guard An	alysis suite	
.nalyst:				Date:	
eviewe	d and released by:			Date:	

#### **CARBON DIOXIDE**

carbon dioxide gas

#### **Product Information**

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:52374-103
Route of Administration	RESPIRATORY (INHALATION)		

# Active Ingredient/Active Moiety Ingredient Name Basis of Strength Carbon Dioxide (UNII: 142M471B3J) (Carbon Dioxide - UNII:142M471B3J) Carbon Dioxide 990 mL in 1 L

Packaging				
# Item Code	Package Description	Marketing Start Date	Marketing End Date	
<b>1</b> NDC:52374-103-01	21000 L in 1 CONTAINER; Type 0: Not a Combination Product	01/01/1965		

Marketing Information				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
NDA	NDA205815	01/01/1965		

#### Labeler - MESSER GAS PUERTO RICO, INC (090044413)

#### **Registrant - MESSER GAS PUERTO RICO, INC (090044413)**

Establishment				
Name	Address	ID/FEI	<b>Business Operations</b>	
Messer Gas Puerto Rico Inc		049495666	manufacture(52374-103)	

Revised: 11/2023 MESSER GAS PUERTO RICO, INC