

**OXYGEN - oxygen gas**  
**Messer LLC**

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**Oxygen USP Bulk Liquid**

**WARNINGS SECTION**

**Should the material not be delivered to a USP customer, the material is “Not Approved for Human Drug Use.”**

**PACKAGE LABEL.PRINCIPAL DISPLAY PANEL**

Messer  
Gases for Life  
Certificate of Analysis - Oxygen USP  
Product: Oxygen USP

<b>Date</b>	
<b>Facility Name</b>	
<b>Facility Address</b>	
<b>Lot#</b>	<b>Batch #</b>

Final Analysis Results

<b>Analyzer #</b>	<b>Test/Units</b>	<b>USP Specs</b>	<b>Analysis Results</b>
N/A	<b>Odor</b>	<b>None</b>	
	<b>% O2</b>	<b>≥ 99.0%</b> <b>(Messer Spec</b> <b>≥99.50%)</b>	<b>%</b>
	<b>ppm H2O</b>	<b>N/A</b>	<b>ppm</b>
	<b>ppm THC</b>	<b>N/A</b>	<b>ppm</b>
N/A	<b>% CO</b>	<b>≤ .001</b>	<b>***</b>
N/A	<b>% CO2</b>	<b>≤ .03</b>	<b>***</b>

NT= not tested

\*\*\* = This product was manufactured by Air Liquefaction and testing is exempt under the USP compendium.

The methodology used to perform the USP test:

Paramagnetic Analyzer Manufacturer / Model# :

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**This analyzer has been validated by Messer as acceptable alternatives to the official USP for Oxygen Assay. Validation study documentation is maintained by Messer at the corporate offices.**

<b>Analyst</b>	<b>Date</b>	

<b>Quality Reviewer</b>	<b>Date</b>	

**Should the material not be delivered to a USP customer, the material is “Not Approved for Human Drug Use.”**

**Certificate of Analysis – Oxygen USP**

Product: Oxygen USP

Date			
Facility Name			
Facility Address			
Lot #		Batch #	

**Final Analysis Results**

Analyzer #	Test / Units	USP Specs	Analysis Results
N/A	Odor	None	
	% O <sub>2</sub>	≥99.0% (Messer Spec ≥99.50%)	%
	ppm H <sub>2</sub> O	N/A	ppm
	ppm THC	N/A	ppm
N/A	% CO	≤ .001	***
N/A	% CO <sub>2</sub>	≤ .03	***

NT = not tested

\*\*\* = This product was manufactured by Air Liquefaction and testing is exempt under the USP compendium.

The methodology used to perform the USP test:

Paramagnetic Analyzer Manufacturer/Model #: \_\_\_\_\_

This analyzer has been validated by Messer as acceptable alternatives to the official USP for Oxygen Assay. Validation study documentation is maintained by Messer at the corporate offices.

Analyst	Date

Quality Reviewer	Date

Should the material not be delivered to a USP customer, the material is "Not Approved for Human Drug Use."

**OXYGEN**

oxygen gas

**Product Information**

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:52438-011
<b>Route of Administration</b>	RESPIRATORY (INHALATION)		

**Active Ingredient/Active Moiety**

Ingredient Name	Basis of Strength	Strength
Oxygen (UNII: S88TT14065) (Oxygen - UNII:S88TT14065)	Oxygen	995 mL in 1 L

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:52438-011-20	18144 L in 1 TANK; Type 0: Not a Combination Product	01/01/1960	

**Marketing Information**

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA205767	01/01/1960	

**Labeler** - Messer LLC (001368141)

**Registrant** - Messer LLC (001368141)

**Establishment**

Name	Address	ID/FEI	Business Operations
Messer LLC		943812438	manufacture(52438-011) , api manufacture(52438-011)

**Establishment**

Name	Address	ID/FEI	Business Operations
Messer LLC		026946218	manufacture(52438-011) , api manufacture(52438-011)

**Establishment**

Name	Address	ID/FEI	Business Operations
Messer LLC		041268947	manufacture(52438-011) , api manufacture(52438-011)

**Establishment**

Name	Address	ID/FEI	Business Operations
Messer LLC		101889988	manufacture(52438-011) , api manufacture(52438-011)

**Establishment**

Name	Address	ID/FEI	Business Operations
Messer LLC		003000197	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		081695020	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		872699181	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		002123321	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		092191712	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		839692303	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		791242337	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		192602431	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		945417111	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		042263707	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		147344667	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		102835006	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
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Messer LLC		940070527	manufacture(52438-011) , api manufacture(52438-011)
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Name	Address	ID/FEI	Business Operations
Messer LLC		969312248	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		004212362	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		019983468	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		799311001	manufacture(52438-011) , api manufacture(52438-011)

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Name	Address	ID/FEI	Business Operations
Messer LLC		079481211	manufacture(52438-011) , api manufacture(52438-011)

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Name	Address	ID/FEI	Business Operations
Messer LLC		809794592	manufacture(52438-011) , api manufacture(52438-011)

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Name	Address	ID/FEI	Business Operations
Messer LLC		108034669	manufacture(52438-011) , api manufacture(52438-011)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		093220150	manufacture(52438-011) , api manufacture(52438-011)