

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

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**Oxygen USP Bulk Liquid**

Plant

123 Messer St, Anytown, USA

Certificate of Analysis - Stall 1

Product: Oxygen USP

Date: 10/27/2025

Lot#: 5138-1-0590-102725-04

Tare Weight: 40380 lbs.

Gross Weight: 79000 lbs.

Net Weight: 38620 lbs.

Net Volume: 466.53 kscf

Batch #: AIT-80-4-102725-01

Logon Time: 2025-10-27 13:07:43

Analysis Finish: 2025-10-27 14:03:19

Logoff Time: 2025-10-27 14:13:53

Final Analysis Results

Analyzer # Test/Units LOX1 Specs Analysis Results Limit of Detection

Organoleptic Odor None None

AIT-80-4 % O<sub>2</sub> ≥ 99.50 99.82 \*\*\*\*\*

LAB PPM THC N/A NT 0.10

LAB PPM H<sub>2</sub>O N/A NT 0.01

N/A % CO<sub>2</sub> ≤ 0.030 \*\*\*

N/A % CO ≤ 0.001 \*\*\*

NT = Not Tested

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

% O<sub>2</sub> Method Used: Paramagnetic Analyzer Manufacturer/Model#: Servomex 1100

This analyzer has been validated by Messer as an acceptable alternative to the official USP for Oxygen Assay. Validation study documentation is maintained by Messer at the corporate office. LOX NDA: 205767, LOX NADA: 141365

This document contains an electronic signature.

Analyst Date

Sample Results Obtained from Messer Validated Analyzers 10/27/2025

Quality Reviewer Date

John Doe 10/27/2025

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

LOX1

### Plant

123 Messer St, Anytown, USA  
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#### Final Analysis Results

Analyzer #	Test/Units	LOX1 Specs	Analysis Results	Limit of Detection
Organoleptic	Odor	None	None	
AIT-80-4	% O2	>=99.50	99.82	*****
LAB	PPM THC	N/A	NT	0.10
LAB	PPM H2O	N/A	NT	0.01
N/A	% CO2	<=0.030	***	
N/A	%CO	<=0.001	***	

NT = Not Tested

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

% O2 Method Used: Paramagnetic Analyzer

Manufacturer/Model#: Servomex 1100

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Sample Results Obtained from Messer Validated Analyzers	10/27/2025
Quality Reviewer	Date:
John Doe	10/27/2025

LOX1

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Docum

## OXYGEN

oxygen gas

### Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:52438-911
Route of Administration	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:52438-911-20	18144 L in 1 TANK		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NADA	NADA141365	01/01/1960	

**Labeler** - Messer LLC (001368141)

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		943812438	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		026946218	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		041268947	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		101889988	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		003000197	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		081695020	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		872699181	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		002123321	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		092191712	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
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Messer LLC		839692303	manufacture, api manufacture
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## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		791242337	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		192602431	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		945417111	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		042263707	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		147344667	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		102835006	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		940070527	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		969312248	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		004212362	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		019983468	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		799311001	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		079481211	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		809794592	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		108034669	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		093220150	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer LLC		119239875	manufacture, api manufacture

## Establishment

Name	Address	ID/FEI	Business Operations
Messer North America, Inc.		057695412	manufacture, api manufacture

Revised: 11/2025

Messer LLC