



ISO/IEC 17025



Analysis Report

SHIPPED TO:

Gas Technologies OB Ltd
4 Ha'Vatzelet Ha'Chof
Caesarea Israel 3088900

PAGE:

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Report ID:

42041

Revision:

0

Sales#:	117557150	Cylinder Size:	152 (8" X 47.5")
Production#:	1648482	Cylinder # :	CC-526361
Report Date:	Jul-07-2026	Cylinder Pressure:	2000 psig
P.O.#:	18324	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24099162	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Jan-07-2028	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

Primary Reference Material intended for the calibration of gas analyzers or instrumentation. General instructions for proper use of gas mixtures are found in "ISO 16664: Gas analysis – handling of calibration gases and gas mixtures".

Contents under pressure, store in secure area and do not expose to temperatures greater than 150 °F.

Recommended Operating temperature within 32°F (0°C) and 125°F (52°C).

Recommended minimum sample size 10 mL.

Except where noted, results are reported in mole/mole ppm as determined by Gas Chromatography using qualified reference standards under MS-57872 and MS-57873 and meets ISO/IEC 17025 requirements. Every cylinder is analyzed and represents one unique lot.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor providing a level of confidence of 95% and has been carried out in accordance with ISO/IEC 17025 requirements.

This report is issued in accordance with the laboratory accreditation requirements of ANAB. It provides traceability of measurement to recognized national standards, and to units of measurement realized by the National Institute of Standards and Technology (NIST).

Linde Spectra Environmental Gases

Linde North America, Inc.

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<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Chloromethane	74-87-3	1.000 ppm	2.571	1.040 ppm	± 0.039 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.039 ppm	± 0.033 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.041 ppm	± 0.032 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.041 ppm	± 0.029 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.136 ppm	± 0.039 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.128 ppm	± 0.039 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.038 ppm	± 0.029 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.106 ppm	± 0.038 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.028 ppm	± 0.023 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.026 ppm	± 0.023 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.026 ppm	± 0.025 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.028 ppm	± 0.025 ppm
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.012 ppm	± 0.029 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.020 ppm	± 0.038 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.012 ppm	± 0.031 ppm
Bromochloromethane	74-97-5	1.000 ppm	2.571	1.023 ppm	± 0.034 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.035 ppm	± 0.032 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.036 ppm	± 0.031 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.017 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.016 ppm	± 0.032 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.015 ppm	± 0.035 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.019 ppm	± 0.035 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.017 ppm	± 0.035 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.026 ppm	± 0.032 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.026 ppm	± 0.030 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.020 ppm	± 0.028 ppm

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COMPONENT	CAS Number	Requested Conc	(k @ 95%)	Reported Conc	Uncertainty
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.026 ppm	± 0.030 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.030 ppm	± 0.031 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.036 ppm	± 0.028 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.023 ppm	± 0.030 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.031 ppm	± 0.030 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.034 ppm	± 0.030 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.035 ppm	± 0.030 ppm
Bromoform	75-25-2	1.000 ppm	2.571	0.989 ppm	± 0.029 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.029 ppm	± 0.030 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.034 ppm	± 0.030 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.036 ppm	± 0.031 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.053 ppm	± 0.028 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.039 ppm	± 0.028 ppm

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1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.051 ppm	± 0.029 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.106 ppm	± 0.061 ppm
Nitrogen	7727-37-9	Balance		Balance	

Lou Lorenzetti

ANALYST: Lou Lorenzetti

DATE: Jul-07-2026

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