

PortaGasTM
A Linde company

CERTIFICATE OF ANALYSIS

ISO 9001:2015 CERTIFIED
ISO 17034:2016 ACCREDITED
ISO/IEC 17025:2017 ACCREDITED

1202 E Sam Houston Parkway S,
Pasadena, TX 77503
Phone:(800) 548 2268 Fax:(713) 928 9961

PO Number: 4503116171

Work Order No: 37309000

Manufactured For:

Certification Date: 15-Jun-2022

MSA Safety Sales, LLC
1000 Cranberry Woods Drive
Cranberry Township PA 16066
United States Of America

Customer Part No: 10045035

Cylinder Size: 58DALS

Cylinder Type: ISO 7866

Cylinder Content: 58 L (2 CU.FT.) @ 70 F (21 C) & 500 PSIG (3445Kpag)

Cylinder Lot No: 267791; 90 of 504 cylinders

Cylinder Serial Nos: BC437760,BC439384,BC439393,BC439407,BC439415,BC439418,BC439423,BC439432,BC439437,BC439439,BC439443,BC439455,BC439468,BC439475,BC439478,BC439484,BC439502,BC439505,BC439512,BC439516,BC439519,BC439560,BC439561,BC439577,BC439600,BC439604,BC439606,BC439608,BC439620,BC439622,BC439635,BC439641,BC439696,BC439697,BC439699,BC439703,BC439735,BC439765,BC439766,BC439769,BC439770,BC441596,BC441599,BC441607,BC441621,BC441622,BC441624,BC441626,BC441647,BC441649,BC441659,BC441666,BC441669,BC441681,BC441686,BC441690,BC441691,BC441694,BC441695,BC441697,BC441708,BC441709,BC441710,BC441715,BC441718,BC441728,BC441731,BC441737,BC441740,BC441746,BC441749,BC441750,BC441752,BC441754,BC441756,BC441758,BC441764,BC441765,BC441768,BC441770,BC441773,BC441782,BC441783,BC441802,BC441804,BC441805,BC441806,BC441817,BC441826,BC455726

Expiration Date: Jun 2024

Component	Nominal	Accuracy	Analytical Method
HYDROGEN SULFIDE	20 PPM (vol)	+/- 10%	Automated Electrochemical Sensor
CARBON MONOXIDE	60 PPM (vol)	+/- 5%	Horiba CO Analyzer VIA-510_97KP6EHE
PENTANE EQUIVALENT 58% LEL	(METHANE 1.45% vol)	+/- 5%	Mocon 9000 THC_0317DN0931
OXYGEN	15%(vol)	+/- 5%	Teledyne 3000M Series Percent Oxygen Analyzer
NITROGEN	BALANCE		

The mixture was manufactured or transfilled from a standard which has been gravimetrically blended with traceability through NIST to the International System of Units (SI) balance. Balances are calibrated by a certified third party with certified NIST weights and NIST test numbers. Report Number: BU70910-111122. The uncertainty is expressed as an expanded uncertainty $U=kuc$ with uc determined by experiment and a coverage factor $k=2$. The certified value $\pm U$ is presented with a level of confidence of approximately 95%.



Quality Assurance Manager