



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

**Richard E. Dunn, Director**

**Air Protection Branch**

4244 International Parkway, Suite 120

Atlanta, Georgia 30354

404-363-7000

**MEMORANDUM:**

TO: Stephen Damaske  
 THROUGH: Daniel McCain  
 FROM: Marcus Cureton  
 SUBJECT: SOURCE TEST REPORT REVIEW

The following test has been reviewed and was conducted in an acceptable fashion for the purpose intended.

COMPANY NAME	Chemence Medical
COMPANY LOCATION	Alpharetta, GA
SOURCE TESTED	Chamber EOA
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Marcus Cureton
TEST WITNESSED BY	Marcus Cureton
DATE(S) OF TEST	October 14, 2020
DATE RECEIVED BY APB	December 4, 2020
MAXIMUM EXPECTED OPERATING CAPACITY	10 UNITS
OPERATING CAPACITY	10 UNITS
ALLOWABLE EMISSION RATE	N/A
APPLICABLE REGULATION	N/A
CONTROL EQUIPMENT AND MONITORING DATA	N/A

TEST RUN #	1	Dup	AVERAGE
GAS TEMPERATURE (°F)	105.3	105.3	
GAS MOISTURE (%)	1.75	1.75	
GAS FLOW RATE (ACFM)	82	82	
GAS FLOW RATE (DSCFM)	73	73	
POLLUTANT CONC. RATE (PPM)	58	46	52
EMISSION RATE (LB/HR)	0.029	0.023	0.026

PERCENT ALLOWABLE (%)

**OTHER INFORMATION**

The concentration of the duplicate summa canister EtO concentrations were averaged to determine the concentration and mass emission rate.

10 totes were loaded into the chamber with a total of 6,000 blisters/pouches sterilized

The average weight of ethylene oxide gas per tote is 10.5 g.



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TEST WITNESSED BY	Marcus Cureton
DATE(S) OF TEST	October 14, 2020
DATE RECEIVED BY APB	December 4, 2020
MAXIMUM EXPECTED OPERATING CAPACITY	36 UNITS
OPERATING CAPACITY	18 UNITS
ALLOWABLE EMISSION RATE	N/A
APPLICABLE REGULATION	N/A
CONTROL EQUIPMENT AND MONITORING DATA	N/A

TEST RUN #	1	Dup	AVERAGE
GAS TEMPERATURE (°F)	109.3	109.3	
GAS MOISTURE (%)	1.81	1.81	
GAS FLOW RATE (ACFM)	28	28	
GAS FLOW RATE (DSCFM)	24	24	
POLLUTANT CONC. RATE (PPM)	360.0	450.0	405.0
EMISSION RATE (LB/HR)	0.060	0.076	0.068

PERCENT ALLOWABLE (%)

OTHER INFORMATION

The concentration of the duplicate summa canister EtO concentrations were averaged to determine the concentration and mass emission rate.

18 totes were loaded into the chamber with a total of 27,000 blisters/pouches sterilized.

The average weight of ethylene oxide gas per tote is 28.3 g.