



# 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. Inc		
COMPANY LOCATION	Alpharetta, GA		
SOURCE TESTED	Chamber EOE		
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	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	<p>The concentration of the duplicate summa canister EtO concentrations were averaged to determine the concentration and mass emission rate.</p> <p>18 totes were loaded into the chamber with a total of 27,000 blisters/pouches sterilized.</p> <p>The average weight of ethylene oxide gas per tote is 28.3 g.</p>		



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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	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	<p>The concentration of the duplicate summa canister EtO concentrations were averaged to determine the concentration and mass emission rate.</p> <p>10 totes were loaded into the chamber with a total of 6,000 blisters/pouches sterilized</p> <p>The average weight of ethylene oxide gas per tote is 10.5 g.</p>		