

Richard E. Dunn, Director

Air Protection Branch

4244 International Parkway, Suite 120 Atlanta, Georgia 30354 404-363-7000

Printed: 2/2/2021

MEMORANDUM:

TO: Stephen Damaske THROUGH: Daniel McCain Marcus Cureton FROM:

SUBJECT: SOURCE TEST REPORT REVIEW

| The following test has been reviewe | ed and was conducted i | n an acceptable fash | nion 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 | 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 | | | |
| TEST RUN # GAS TEMPERATURE (°F) | 1 105.3 | Dup 105.3 | AVERAGE | | | |
| | | | AVERAGE | | | |
| GAS TEMPERATURE (°F) | 105.3 | 105.3 | AVERAGE | | | |
| GAS TEMPERATURE (°F) GAS MOISTURE (%) | 105.3 1.75 | 105.3 1.75 | AVERAGE | | | |
| GAS TEMPERATURE (°F) GAS MOISTURE (%) GAS FLOW RATE (ACFM) | 105.3 1.75 82 | 105.3 1.75 82 | AVERAGE 52 | | | |
| GAS TEMPERATURE (°F) GAS MOISTURE (%) GAS FLOW RATE (ACFM) GAS FLOW RATE (DSCFM) POLLUTANT CONC. RATE | 105.3 1.75 82 73 58 | 105.3 1.75 82 73 46 | 52 | | | |
| GAS TEMPERATURE (°F) GAS MOISTURE (%) GAS FLOW RATE (ACFM) GAS FLOW RATE (DSCFM) POLLUTANT CONC. RATE (PPM) | 105.3 1.75 82 73 | 105.3 1.75 82 73 | | | | |
| GAS TEMPERATURE (°F) GAS MOISTURE (%) GAS FLOW RATE (ACFM) GAS FLOW RATE (DSCFM) POLLUTANT CONC. RATE (PPM) EMISSION RATE | 105.3 1.75 82 73 58 | 105.3 1.75 82 73 46 | 52 | | | |
| GAS TEMPERATURE (°F) GAS MOISTURE (%) GAS FLOW RATE (ACFM) GAS FLOW RATE (DSCFM) POLLUTANT CONC. RATE (PPM) EMISSION RATE (LB/HR) | 105.3 1.75 82 73 58 0.029 | 105.3 1.75 82 73 46 0.023 | 52 | | | |

cc: Sean Taylor AIRS Number: 12100964

Reference Number: 202001309



Richard E. Dunn, Director

Air Protection Branch

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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.

| The following test has been reviewed | ed and was conducted | <u>ın an acceptable fast</u> | nion for the purpose intended. | | |
|--|---|------------------------------|--------------------------------|--|--|
| COMPANY NAME | Chemence Medical | Chemence Medical | | | |
| 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 | 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. | | | | |

cc: Sean Taylor AIRS Number: 12100964

Reference Number: 202001310

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