



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: Sean Taylor
THROUGH: Daniel McCain
FROM: Ray Shen
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		ACA (Activated Carbon Abator)			
POLLUTANT DETERMINED		Ethylene Oxide			
REPORT REVIEWED BY		Ray Shen			
TEST WITNESSED BY		Marcus Cureton			
DATE(S) OF TEST		December 15, 2021 to December 16, 2021			
DATE RECEIVED BY APB		January 27, 2022			
MAXIMUM EXPECTED OPERATING CAPACITY		36 Tote per Batch			
OPERATING CAPACITY		36 Tote per Batch			
ALLOWABLE EMISSION RATE		N/A			
APPLICABLE REGULATION		Incomplete			
CONTROL EQUIPMENT AND MONITORING DATA		ACA (Activated Carbon Abator)			
TEST RUN #		1	2		AVERAGE
GAS TEMPERATURE (°F)	Inlet	74	72		
	Exhaus	62	61		
GAS MOISTURE (%)	Inlet	2.4	2.7		
	Exhaus	1.9	1.8		
GAS FLOW RATE (ACFM)	Inlet	92.6	137.5		
	Exhaus	92.6	137.5		
GAS FLOW RATE (DSCFM)	Inlet	87.6	129.5		
	Exhaus	87.6	129.5		
POLLUTANT CONCENTRATION (PPM)	Inlet	200	240		220
	Exhaus	0.036	0.064		0.050
EMISSION RATE (LB/HR)	Inlet	0.120	0.213		0.166
	Exhaus	0.0052	0.0100		0.0076
DESTRUCTION EFFICIENCY (%)		95.49			



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OTHER INFORMATION

Due to uncertainty with the inlet flow measurements, ISMU calculated outlet mass emission rates (Lb./Hr.) using the inlet flowrate in place of outlet flowrate. Testing was based on two process cycles: Run 1 (Sterilization Sealed Cycle). Run 2 (Bagcut Vent Cycle). Samples were collected in summa canisters (Method TO-15), then analyzed by GC/MS in SIM mode by Eurofins. Recoveries were within req'd 70% to 130%.