

CERTIFICATE OF AIR QUALITY TEST



ISSUED BY THE CALIBRATION LABORATORY OF DELTA ENGINEERING INSPECTION & LOGISTICS SERVICES

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Customer **EMC Co.**

Job No. DES-EMC-26-00148

Issue Date 23-Sep-2026

Certificate No. **DES-EMC-26-00148-74**

Period **12 Months ± 4 Days**

Cal. Due Date **22-Sep-2027**

Calibration Results:

Test Parameter	Unit	Initial/Upstream	Final/Downstream	Specification Limit	Status
Particle Count ($\geq 4\mu\text{m}$)	particles/mL	15240	45	≤ 100	PASS
Particle Count ($\geq 6\mu\text{m}$)	particles/mL	8500	12	≤ 50	PASS
Particle Count ($\geq 14\mu\text{m}$)	particles/mL	2100	2	≤ 10	PASS
ISO Cleanliness Code	ISO 4406	18/16/13	39426	$\leq 14/12/09$	PASS
Initial Pressure Drop	bar	—	0.15	≤ 0.20	PASS
Final Pressure Drop	bar	—	3.5	≤ 4.0	PASS
Flow Rate Tested	m ³ /min	100	100	100 (nominal)	PASS
Water Content	mg/m ³	8.5	3.2	≤ 5.0	PASS
Filter Efficiency ($4\mu\text{m}$)	%	—	99.7	≥ 99.5	PASS
Beta Ratio ($4\mu\text{m}$)	ratio	—	13.87569444	$\geq 200:1$	PASS
Temperature During Test	°C	22	22	15–25	PASS

Remarks:

Temp : $(23.0) \pm 2$ °C

Ambient Humidity : $(31.2) \pm 0.1$ % RH

- The device under calibration was calibrated up to The Original Equipment Manufacture (OEM) recommended span according to used standard calibration method with a calibration system which meets The OEM calibration requirements.

U.U.T Details:

Asset No.	N/A
Description	AIRLINE FILTER
MFG (OEM)	CELMCO
Model	N/A

Serial No.	EMC-AF004
Max. Range	N/A
Resolution	N/A
Accuracy	N/A

Test Results:

- The calibrated device error span was found in the allowable tolerance of the maximum permissible error at the time it had been calibrated.
- The calibrated device has been inspected and found in specifications at the time it had been calibrated.

Calibrated By:

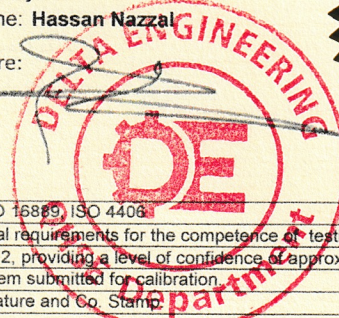
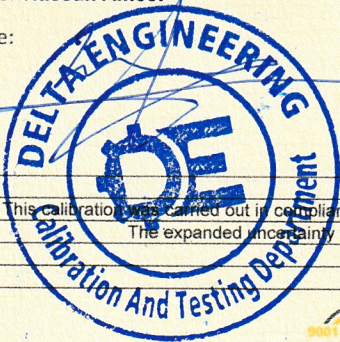
Name: Hassan Ameer

Signature:

Reviewed By:

Name: Hassan Nazzaal

Signature:



Employing Calibration Method: ISO 16889, ISO 4406

This calibration was carried out in compliance with ISO / IEC 17025 2nd Ed.2005 "General requirements for the competence of testing & calibration laboratories".

The expanded uncertainty was calculated by using a coverage factor K = 2, providing a level of confidence of approximately 95 %.

This certificate refers only to the particular item submitted for calibration.

This certificate is valid only with signature and Co. Stamp.

