



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-26-00148-75**

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: $(23.0 \pm 2) ^\circ\text{C}$

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

- 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-AF005**

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 Nazzal**

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.

