

TESTING CERTIFICATE

Certificate Number: CERT-L 00239/24

OWNER IDENTITY

Owner : BPOM Tarakan
Address : Jl. Yos Sudarso RT.011 Karang Balik, Tarakan Barat, Kalimantan Utara

INSTRUMENT IDENTIFICATION

Name : Laminar Air Flow
Manufacture : ESCO
Type/ Model : PCR-3A1
Serial Number : 2008-35397

METHOD OF TESTING : SOP-EU-SVC-10-A
DATE OF TESTING : 14-Aug-2024
RECOMMENDED DUE DATE : 14-Aug-2025

REFERENCE STANDARD USED FOR RECALIBRATION

Test Equipment	Traceability	Serial Number	Cal Due Date
Photometer	N/A	21950	25-Mar-25
Anemometer	LK-232-IDN	9565P1643030	26-Oct-24
UV Meter	LK-070-IDN	S.043171	23-Jul-24
Multimeter	LK-157-IDN	17115010780	19-Feb-25
Particle Counter	N/A	93061226001	29-Jul-25
Light Meter	LK-032-IDN	S.028534	26-Feb-25
Sound Meter	LK-264-IDN	I.471948	24-Jul-24

Reviewed/ Approved by


PT. ESCO UTAMA

Agus Susanto
Date of Issue: 20-Aug-2024

This certificate of testing shall not be reproduced except in full without written approval
of PT. Esco Utama.
This certificate is valid when sealed by PT Esco Utama

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TESTING RESULT

No.	Type of Test	Acceptance Level	Results	Remarks
1	Air Velocity Test	Average velocity: 0.275-0.325 m/s	Pass	Average Velocity: <u>0.30</u> m/s
2	Particle Count Test	Maximum concentration limit is 10.200 (particle/m ³) at 0.3µm and 3520 (particle/m ³) at 0.5µm and greater accordance to ISO 14644.1 (Class 5).	Pass	0.3 µm : <u>0</u> 0.5 µm : <u>0</u>
3	Filter PAO Leak Test	Maximum particle concentration of 0.01% for filter.	Pass	Downflow: <u>0.0017</u> %
4.	Air Visualization Test	Smoke laminary flow out, no turbulence, no billowing	Pass	Compliant
5	Light Intensity Test	Must be > 650 Lux or manufacturer’s spec	Pass	Average Intensity: <u>959</u> Lux
6	Noise Level Test	Must be < 67 dBA	Pass	<u>54</u> dBA
7	UV Light Intensity Test	Must be > 40uW/cm ²	Pass	Average Intensity: <u>102</u> uW/ cm ²
Overall Performance			Pass	Certified

Decisions on testing results use the following rules :

- “Pass” if tolerance acceptance level criteria
- “Fail” if not tolerance acceptance level criteria