

(Garuda)

Certificate No. 20C115/0794

Certificate of Accreditation Laboratory

By Virtue of National Standardization Act B.E. 2551 (2008)

Secretary-General, Thai Industrial Standards Institute

Issues this Certificate to

Lighthouse worldwide solutions company limited

Laboratory address

9/13 Moo 5, Phaholyothin road, Klongnueng, Klongluang, Pathumthani

This laboratory is accredited for calibration in accordance with

The Thai Industrial Standard TIS 17025-2561 (ISO/IEC 17025:2017)

General requirements for the competence of testing and calibration laboratories

Accreditation No. CALIBRATION 0247

The scope of accreditation is as annexed hereto.

Valid from 9th September B.E. 2563 (2020)

Valid until 8th September B.E. 2566 (2023)

Translation approved



(Mr.Ekanit Romyanon)

Director,

Office of the National Standardization Council

Date: 9th November 2020

Issue date: 23rd September B.E. 2563 (2020)

Signature : (Signature)

Mr.Verakit Rantakittanawat)

Deputy Secretary-General, Thai Industrial Standards Institute

for Secretary-General, Thai Industrial Standards Institute

Ministry of Industry, Thai Industrial Standards Institute



Translation Note: In the event of doubt or misunderstanding, the original in Thai shall be the authoritative.

Scope of Accreditation for Calibration

Certificate No. 20C115/0794

Laboratory name Lighthouse worldwide solutions company limited
 Address 9/13 Moo 5, Phaholyothin road, Klongnueng, Klongluang, Pathumthani
 Accreditation no. CALIBRATION 0247
 Laboratory status Permanent Site Temporary Mobile

Field of Calibration	Parameter	Calibration and Measurement Capability*	Method Used
Dimension	Airborne particle counter by light scattering technique		ISO 21501-4 with external PHA and voltmeter
	By size		
	0.3 μm	0.006 3 μm	
	0.5 μm	0.011 μm	
	0.7 μm	0.017 μm	
	1.0 μm	0.030 μm	
	2.5 μm	0.075 μm	
	3.0 μm	0.090 μm	
	5.0 μm	0.15 μm	
	10 μm	0.30 μm	

* Expressed as an uncertainty (±) providing a level of confidence of approximately 95 %




Scope of Accreditation for Calibration

Certificate No. 20C115/0794

Accreditation no. CALIBRATION 0247

Laboratory status Permanent Site Temporary Mobile

Field of Calibration	Parameter	Calibration and Measurement Capability*	Method Used
Dimension (cont.)	Airborne particle counter by light scattering technique By size 0.3 µm 0.5 µm 0.7 µm 1.0 µm 2.5 µm 3.0 µm 5.0 µm 10 µm	0.006 3 µm 0.011 µm 0.017 µm 0.030 µm 0.075 µm 0.090 µm 0.15 µm 0.30 µm	ISO 21501-4 with external PHA and voltmeter
* Expressed as an uncertainty (±) providing a level of confidence of approximately 95 % 			

Issue date 23rd September B.E. 2563 (2020)

Signature : (Signature)

(Mr. Verakit Rantakittanawat)

Deputy Secretary-General, Thai Industrial Standards Institute
for Secretary-General, Thai Industrial Standards Institute