

THOMAS BELL-WRIGHT

A PHENNA GROUP COMPANY



In accordance with IAS accreditation to ISO/IEC 17065
Certification is Hereby Granted

to

Alucopanel Middle East L.L.C

National Industries Park, P.O. Box 18022, Dubai, United Arab Emirates

for

“Alucopanel® A2”

**4 mm thick Aluminium Composite Material
Exterior Wall Cladding System with “KIMMCO-
ISOVER COMFORT Façade Slab FS” Insulation**

Test Method: NFPA 285-2019

(System Designation: A114B61-4)

which, subject to limitations described on the following pages and continued
listing on www.tbwcert.com, complies with Product Certification Scheme
*SD03 Exterior Wall Assemblies, Curtain Walls, Building Materials,
Products & Assemblies*

In witness whereof, this Certificate is issued this 13th day of July 2026



Sandy Dweik

Sandy Dweik
Chief Executive Officer

Luma Gabalan

Luma Gabalan
Director of Certification

Certificate Number: TBW0300620

Initial registration: July 12, 2020

Issued: July 13, 2026

Expiration: July 12, 2029

*This certificate is issued with a three-year validity period. The current certification status, including
any suspension or interruption, should be verified at www.tbwcert.com*

File Name: AR068_CRT_SD03FP_Issue3_620_(f)

Issue 3

This certificate and schedules are held in force by regular Factory Inspections by Thomas Bell-Wright International Consultants (TBWIC).
Refer to www.tbwcert.com or contact TBWIC Certification Division to validate the current status of the Certification.
This certificate remains a property of Thomas Bell-Wright International Consultants.
P.O. Box 26385, Dubai, UAE. | Tel: +971 4 8215777 | Email: certification@bell-wright.com | Web: www.bell-wright.com
This document must not be reproduced except in its entirety and with the express permission of Thomas Bell-Wright International Consultants
F 19 Scheme Certificate Issue 9 Issued Mar 2026

“Alucopanel® A2”
4 mm thick Aluminium Composite Material
Exterior Wall Cladding System with “KIMMCO-
ISOVER COMFORT Façade Slab FS” Insulation
(System Designation: A114B61-4)

- A. Certification is given for “Alucopanel® A2” 4 mm thick Aluminium Composite Material Exterior Wall Cladding System with “KIMMCO-ISOVER COMFORT Façade Slab FS” Insulation , which has successfully met the requirements for fire propagation characteristics when evaluated against NFPA 285-2019, “Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components”, subject to the limitations stated herein.
- B. Readers of this document should be familiar with the fire test standard and the requirements of ISO/IEC 17065:2012. The Certification will be listed on www.tbwcert.com while it remains current. This Certification is not valid if it is not so listed.
- C. The product is approved based on TBWIC Product Certification Scheme SD03 Exterior Wall Assemblies, Curtain Walls, Building Materials, Products & Assemblies (Issue 12), which includes pre-test sampling, evidence of performance (under report reference(s) TH156 Rev.O), Technical Verification and Proof of Performance, compliance to Factory Production Control requirements and surveillance & Re-certification Inspection/Audits.
- D. Limitations
- D.1. This Certification covers the fire propagation characteristics of exterior wall assembly when evaluated against the NFPA 285-2019 fire test method. The exterior wall assembly has been evaluated for fire propagation characteristics as specified in the following*:
- a. The ability of the wall assembly to resist flame propagation over the exterior face of the wall assembly*;
 - b. The ability of the wall assembly to resist vertical flame propagation within the combustible components from one story to the next*;
 - c. The ability of the wall assembly to resist vertical flame propagation over the interior surface of the wall assembly from one story to the next*; and,
 - d. The ability of the wall assembly to resist lateral flame propagation from the compartment of fire origin to adjacent compartments or spaces*.
- D.2. This Certification covers the performance of the exterior wall assembly when exposed to fire from an interior room that reaches flashover, breaks exterior windows, and exposes the building façade. It is not intended to address the effect of exterior radiation from nearby fires but is relevant to fires that start at the exterior wall assembly*.
- D.3. This Certification covers the exterior wall assembly in its entirety. It does not extend to individual components that comprise the exterior wall assembly (on their own).
- D.4. The actual field installations of the exterior wall system covered under this certification shall not limit the use of the methods and materials employed to seal the gap between the edge of the floor slab and the interior surface of the test specimen during the test, provided approved sealing methods and materials are used in the field*.

***NFPA 285-2019**

Certificate No.: TBW0300620

Page 2 of 10
Issue 3



Director of Certification
Luma Qabalan

Seal No.: 103427

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

- D.5. The design of the exterior wall assembly covered under this certification, including the exact specification of the components, method of fixing, and condition of such components which were subjected to the fire test, shall be duplicated when installed on the site. The design and components of the exterior wall cladding assembly are not permitted to be substituted, eliminated, or interchanged unless recognised and approved by this Certification.
- D.6. The components used were evaluated and certified as part of the exterior wall cladding for fire propagation characteristics only. Physical performance, such as (but not limited to) resistance to weathering, resistance to impact/movement, adhesion, mechanical resistance and stability, or thermal properties, are not considered.
- D.7. This Certification does not address the following:
- a. Air and Water Permeability
 - b. Measurement of heat transmission
 - c. Classification or definition of material as non-combustible
 - d. Any Resistance to Fire rating
 - e. The toxicity level of smoke developed during combustion
 - f. Effect of aggravated flame spread behaviour of an assembly resulting from the proximity of combustible materials
 - g. Effects of combustible accessories installed or fixed on the surface of exterior cladding material such as laminates, banners, signage, and alike
 - h. Effects of radiation from nearby fires

E. System Configuration

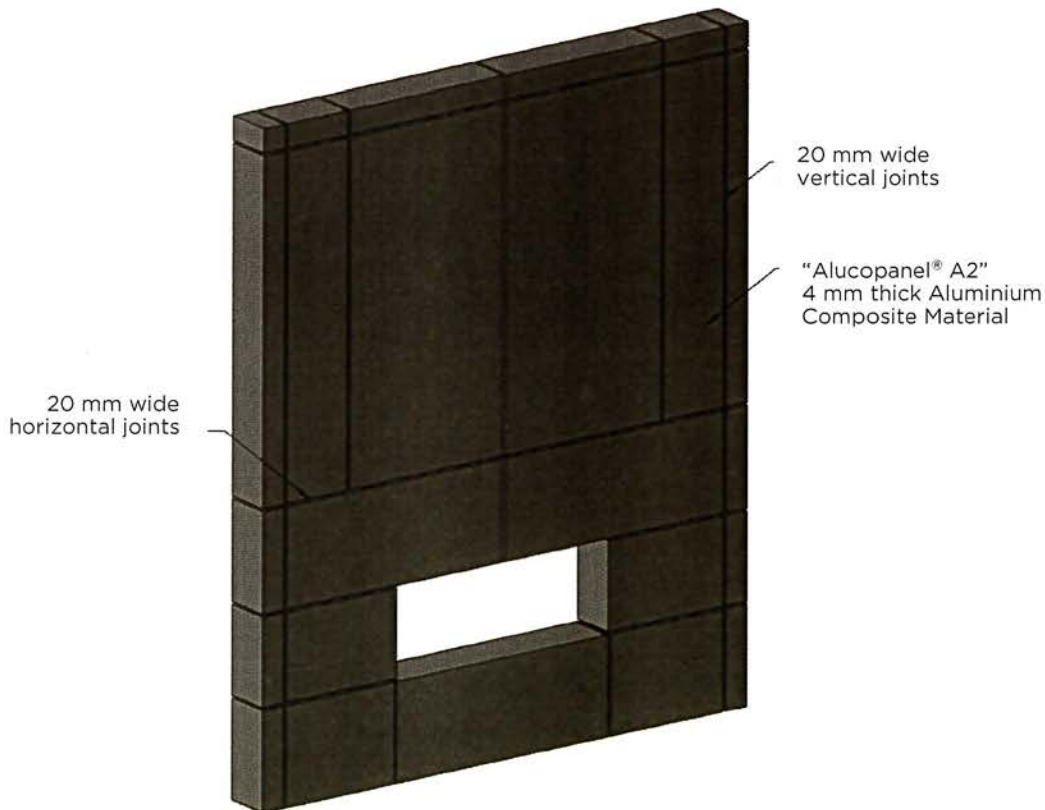
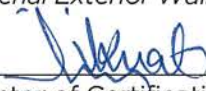


Figure 1. Aluminium Composite Material Exterior Wall Cladding System – Typical Details

Certificate No.: TBW0300620


Director of Certification
Luma Qabalan

Seal No.: 103427

Page 3 of 10
Issue 3

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

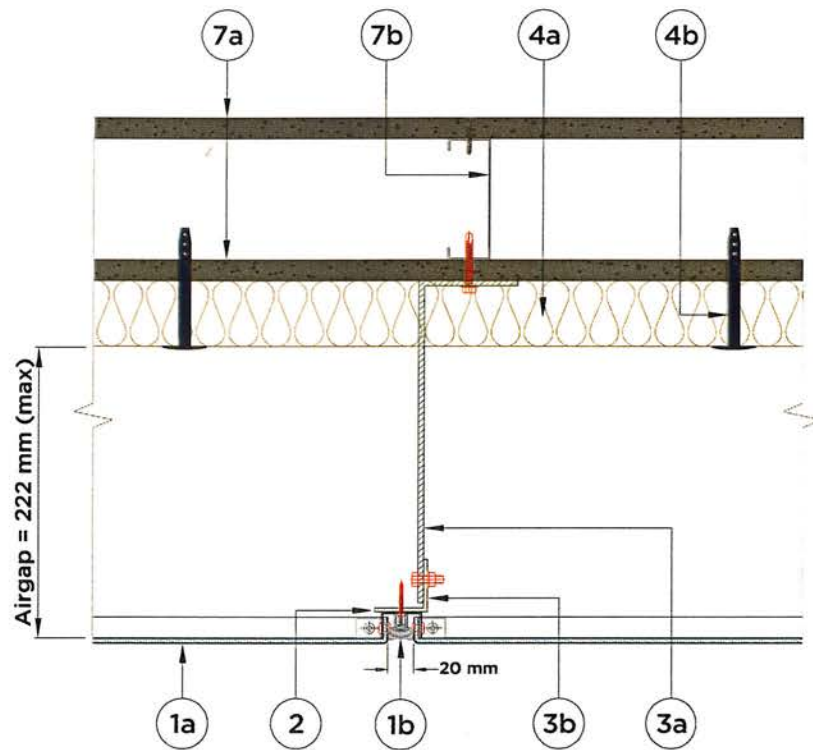


Figure 2. Horizontal section - joint details

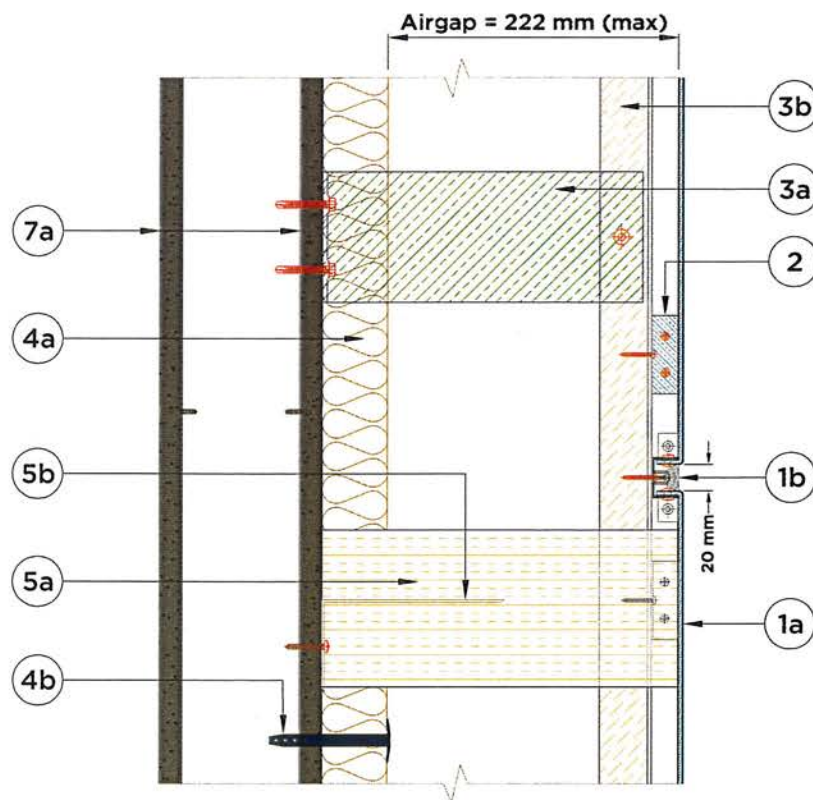
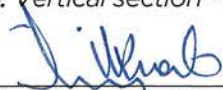


Figure 3. Vertical section - joint details

Certificate No.: TBW0300620

Page 4 of 10
Issue 3


Director of Certification
Luma Qabalan

Seal No.: 103427

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

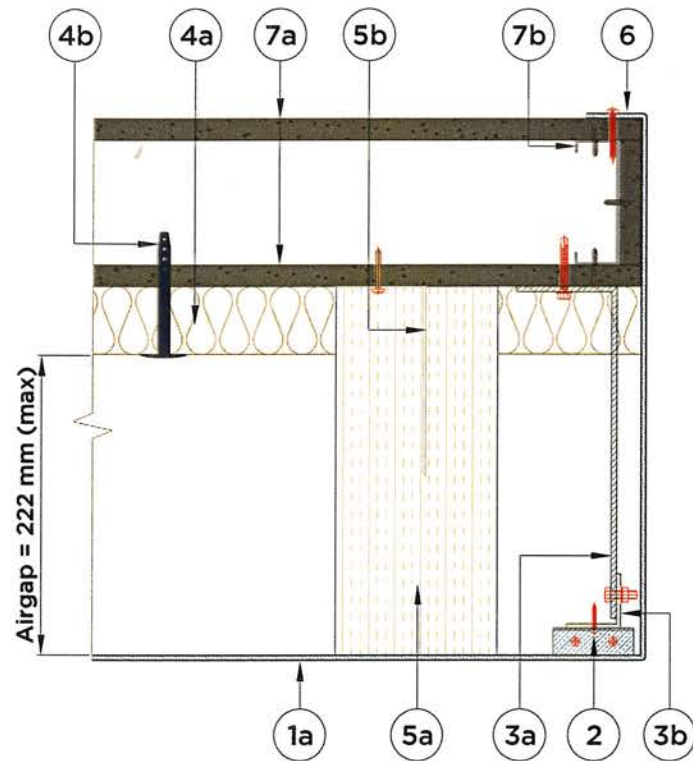


Figure 4. Horizontal section - window details

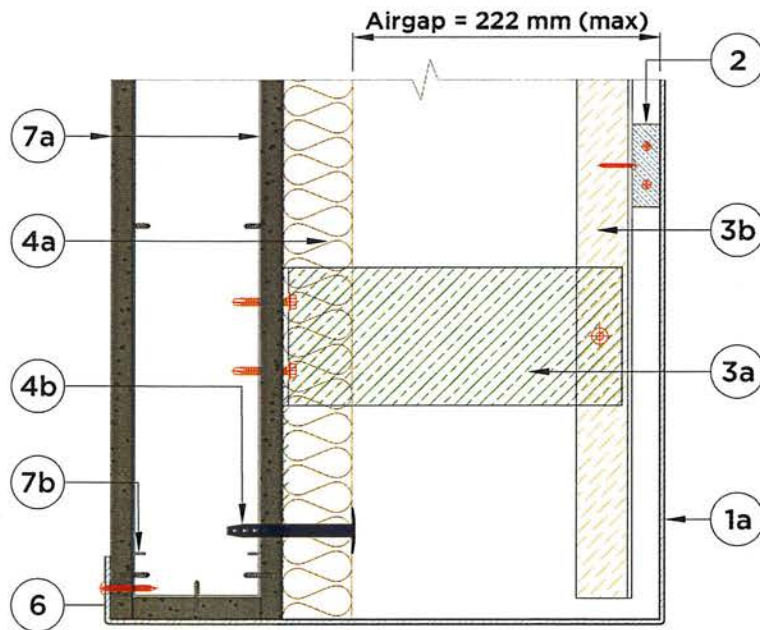


Figure 5. Vertical section - window details

Certificate No.: TBW0300620

Page 5 of 10
Issue 3


Director of Certification
Luma Qabalan

Seal No.: 103427

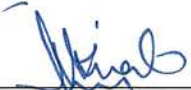
Issued: 13 Jul 2026
Valid to: 12 Jul 2029

Table 1. System Details

1. Cladding Element		
1a. Aluminum Composite Panel	Reference	"Alucopanel® A2"
	Description	Aluminium Composite Material
	Panel Thickness	4 ± 0.2 mm
	Weight Per Unit Area	8 ± 0.5 kg/m²
	Top Skin (Exterior Facing)	0.5 mm thick Aluminium Alloy 3105-H16, Polyvinylidene Fluoride (PVDF) coating, 27 microns maximum coating thickness
	Bottom Skin (Interior Facing)	0.5 mm thick Aluminium Alloy 3105-H16, Polyester (PE) coating, 7 microns maximum coating thickness
	Adhesive Film	Material: "High molecular content polymer adhesive" Thickness: 70 ± 2 microns Density: 920 ± 10 kg/m³
	Core	Description: Mineral filled inorganic core Thickness: 3 ± 0.1 mm Density: 1800 ± 10 kg/m³
	Maximum Panel Width	2037 mm
	Minimum Panel Width	200 mm
	Maximum Panel Height	2824 mm
	Minimum Panel Height	200 mm
	Application	"Tray profile" Aluminium Composite Panel with 24 mm deep flanges. The panel corners shall be reinforced with aluminium angles (20 × 20 × 15 × 1.5 mm, leg × leg × width × thickness) using 2 nos. of Ø4 × 15 mm aluminium blind rivets.

Certificate No.: TBW0300620

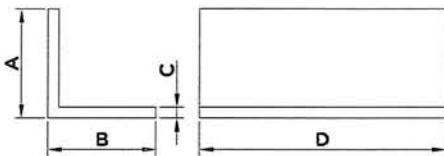
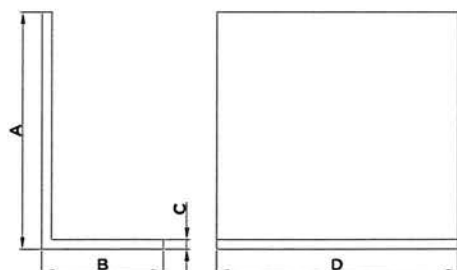
Page 6 of 10
Issue 3



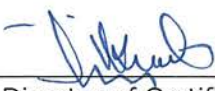
Director of Certification
Luma Qabalan

Seal No.: 103427

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

1b. Panel Joint Seal	A maximum gap of 20 mm, maintained between the panel joints, shall be fitted with a 10 × 10 × 1.5 mm (web × flange × thickness) Aluminium (Alloy 6063-T6) U-channel, fixed using Ø4 × 25 mm pan-head screw and then capped with “Dow Corning® 813C” silicone-based sealant, applied at a nominal depth of 6 mm, extruded smoothly and flush with the exterior surface of the ACP cladding.	
2. Cladding Fixing		
Aluminium Angles		
	Material	Aluminium (Alloy 6063-T6)
	Dimensions	A = 20 mm, B = 20 mm, C = 1.5 mm, D = 60 mm
	Application	The angles shall be fixed on the flanges of the tray using 2 nos. of Ø4 × 15 mm aluminium blind rivets, at a nominal spacing of 300 mm centres. The angles shall be fixed to the runners using Ø4 × 25 mm stainless steel self-tapping pan-head screws.
3. Sub-Frame		
3a. Wall Brackets		
	Material	Mild Steel (Grade S275)
	Dimensions	A = 245 mm, B = 75 mm, C = 4 mm, D = 100 mm
	Application	The angle brackets shall be fixed against the base wall using 2 nos. of Ø4.8 × 38 mm self-drilling hex-washer head screws. The brackets shall be fixed at a nominal spacing of 587 mm to 735 mm horizontally and 486 mm to 1200 mm vertically.

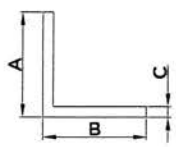
Certificate No.: TBW0300620


 Director of Certification
 Luma Qabalan

Seal No.: 103427

Page 7 of 10
Issue 3

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

3b. Runners		
	Material	Aluminium (Alloy 6063-T6)
	Dimensions	A = 40 mm, B = 40 mm, C = 3 mm
	Application	The runners shall be fixed vertically against the wall brackets using M8 × 25 mm stainless steel hex-head bolts with nuts and washers. The runners shall be fixed according to the location of the wall brackets.
4. Exterior Insulation		
4a. Mineral Wool	Reference	"KIMMCO-ISOVER COMFORT Façade Slab FS"
	Manufacturer	Saudi International Insulation Manufacturing Company (SIIMCO)
	Nominal Density	50 kg/m ³
	Nominal Thickness	50 mm
	Dimension	1000 × 1200 mm (width × length)
	Application	A single layer of mineral wool with foil scrim (FS) facing on exterior side shall be fixed to the base wall using galvanised steel insulation fasteners. A maximum air gap of 222 mm shall be maintained between the exterior insulation and the back of the cladding panels. The joints between the slabs shall be covered with 45 mm wide Aluminium foil tape (Tickitape).
4b. Insulation Fasteners	Material	Galvanised Steel
	Reference	"MBA-08090"
	Dimension	Ø8 × 90 mm
	Manufacturer	Rawl Plug Ltd.
	Application	6 nos. fixed per slab

Certificate No.: TBW0300620


 Director of Certification
 Luma Qabalan

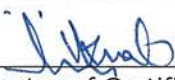
Seal No.: 103427

Page 8 of 10
Issue 3

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

5. Cavity Fire Barrier		
5a. Cavity Fire Barrier	Reference	"Siderise CW-FS120"
	Description	Pre-compressed stonewool lamella with an integral foil facing
	Manufacturer	Siderise Insulation Ltd-UK
	Nominal Density	75 kg/m ³
	Dimension	285 × 120 mm (depth × thickness)
	Application	A full-seal cavity barrier shall be mechanically secured to the basewall using fixing brackets. The cavity fire barrier shall be installed horizontally at every floor slab termination, and vertically at 20 mm distance from the vertical edges of the window opening, extended along the full height of the assembly. All joints of the cavity barrier shall be covered with 45 mm wide Aluminium foil tape.
5b. Cavity Barrier Bracket	Material	Galvanised Steel
	Dimension	70 × 120 × 1 mm (leg × leg × thickness)
	Reference	"B65/110"
	Manufacturer	Siderise Insulation Ltd-UK
	Application	The brackets shall be bent into an "L" shape with the long leg impaling the cavity barrier at mid-thickness and the short leg fixed to the basewall using Ø4 × 55 mm stainless steel screws. The fixings shall be located at a nominal spacing of 300 mm centres vertically and 600 mm centres horizontally.
6. Window Flashing		
Reference	"Alucopanel® A2"	
Description	Aluminium Composite Material	
Panel Thickness	4 ± 0.2 mm	
Application	The window perimeter shall be covered by extending the flange of the ACP cladding panels to overlap the interior face of the base wall	

Certificate No.: TBW0300620


 Director of Certification
 Luma Qabalan

Seal No.: 103427

Page 9 of 10
Issue 3

Issued: 13 Jul 2026
Valid to: 12 Jul 2029

	by 45 mm. The window flashing shall be fixed to the base wall using Ø4.5 x 35 mm self-drilling pan-head screws at a nominal spacing of 150 mm centres.
7. Base Wall	
7a. Interior & Exterior Gypsum Board	1220 x 2400 x 15.9 mm (width x length x thickness) Type X gypsum boards shall be fixed vertically onto 1.2 mm thick galvanised steel studs and tracks using Ø3.5 mm x 35 mm self-tapping screws at 300 mm centres vertically. The board joints shall be covered with Knauf jointing tape and Knauf Readygips jointing compound. The screw heads shall also be covered with the jointing compound.
7b. Steel Studs and Tracks	Galvanised steel (ASTM A653/A653M, CS Type B) studs, 92 x 32 x 32 x 9 x 1.2 mm (web x flange x flange x lip x thickness) and tracks, 95 x 25 x 25 x 1.2 mm (web x flange x flange x lip x thickness) welded directly to the test frame.

F. Approved Manufacturing Location

Sublease Plot No. TP010105B,
National Industries Park, PO Box 18022,
Dubai, United Arab Emirates

Certificate No.: TBW0300620

Page 10 of 10
Issue 3



Director of Certification
Luma Qabalan

Seal No.: 103427

Issued: 13 Jul 2026
Valid to: 12 Jul 2029