



AP LANKA (PVT) LTD
416/5, LEYLAND ROAD
HOMAGAMA-10200
LK

CONTACT PERSON : HARSHA DULIP

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	OUTDOOR FREE-STANDING ENCLOSURE - WELDED
PART NO	769 010
COLOUR	RAL 7035
OEM	OTHERS
COUNTRY OF ORIGIN	SRI LANKA
DATE OF REGISTRATION	29/01/2024
TEST(S) REQUESTED	IP65 TEST

TESTING PERIOD : 22/05/2024 - 23/05/2024

Test name	Test method
IP65 test	IEC 60529:2013

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TEST REPORT

Report No. : PN:EE:1556000222

ISSUE DATE : 14/06/2024



1. Summary :

Test name	Test method	DUT No.	Testing period	Result	Remark
IP65 test	IEC 60529:2013	01	22/05/2024 to 23/05/2024	Pass	Tested sample meet the requirement

- Note** :
1. Test performed as per the conditions given by the customer.
 2. Above test is subcontracted to **SGS affiliated Lab.**

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2. List of figures :

Figure 1	DUT as received
Figure 2	IP6X test setup
Figure 3	IPX5 test setup
Figure 4	DUT after IP6X test
Figure 5	After IP6X test (No ingress of dust observed)

3. General definitions :

DUT	Device under test
s	Second
min	Minute
A	Amperes
mV	Millivolt
mA	Milliampere
Hrs	Hours



4. DUT Information :

DUT Name	OUTDOOR FREE-STANDING ENCLOSURE - WELDED
Part No	769 010
H/w number	--
s/w number	--
No. of DUT	01
DUT operating voltage (Nominal voltage)	--
DUT condition	DUT received in good condition





5. IP65 test:

Test method: IEC 60529:2013

5.1 Test condition :

- **Environmental conditions:**
Temperature : 15°C to 35°C
Relative humidity : 25% to 75%.
- **Test conducted as per below condition:**
- **Dust test (IP6X) as per clause no. 13.4:**
Dust type : Talcum powder
Dust quantity : 2 kg/m³
Duration of test : 8 hours
- **Water test (IPX5) As per 14.2.5 and table 8 :**
Diameter of the nozzle : 6.3 mm
Water flow rate : 12.5 l/min ±5 %
Distance from nozzle to enclosure surface : 2.5 to 3 m
Duration : 1 min/m² at least 3 min

5.2 No. of DUT's :

01

5.3 Requirement :

Dust test (for IP6X) : No ingress of dust**Water test (IPX5)** : Water projected in jets against the enclosure from any direction shall have no harmful effects.



5.4 Observation table :

DUT no.	Test	Visual observation
01	IP6X	No ingress of dust observed
	IPX5	No ingress of water observed No harmful effect observed

5.5 Test photographs :



Fig 2 – IP6X test setup



Fig 3 – IPX5 test setup



Fig 4 – DUT after IP6X test



Fig 5 - After IP6X test (No ingress of dust observed)

6. Equipment details :

Equipment name	Equipment make	Calibration due date
Dust proof chamber	PI	30/09/2024
P.A.E.S test apparatus Test probe D	PI	25/09/2024
IP test with standard nozzle	PI	04/07/2024

***** End of Report*****

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