



को जारी / Issued to :

M/s. Eureka Window Systems Pvt. Ltd.,

**No. 39/2B, New No. 103, Opp. Jain Prakruthi Apartment,
K.R. Road, BSK 2nd Stage, Bangalore - 560 070.**

परीक्षण रिपोर्ट
TEST REPORT

क्र.सं / Sl. No. **23297**

रिपोर्ट सं / REPORT NO. : **62187**

Pages.....Nos. Part A,B,C & D

दिनांक / Date :

24.12.2019

संदर्भ / Ref. :

Dated: 05.12.2019

परीक्षण मानक स्तर के अनुसार परीक्षण रिपोर्ट / TEST REPORT AS PER TEST STANDARD : Refer Part C

भाग - क / PART - A

प्रस्तुत सैंपल का विवरण / PARTICULARS OF SAMPLE SUBMITTED

अ) सैंपल का नाम / a) Name of the Sample	:	Eureka UPVC Profiles -as stated by the party
ब) सैंपल प्राप्त होने की तारीख / b) Date of Receipt of sample	:	05.12.2019
इ) ग्रेड/प्रकार/आकार/वर्ग / c) Grade / variety / type / size / class	:	Not applicable
ई) घोषित मूल्य / d) Declared value, If any	:	Not applicable
उ) कोड सं. / e) Code No.	:	Not applicable
क) बैच सं. एवं निर्माण तारीख / f) Batch No. and Date of Manufacture:	:	Not applicable
ग) मात्रा / g) Quantity	:	01 Mtrl X 8 Nos. & L Section 2 Nos.
घ) पैकिंग की रीति / h) Mode of Packing	:	Packed in woven sack
चे) मोहर बंद या नहीं / i) Sealed or not	:	Not Sealed
ओ) कोई अन्य सूचना / j) Any other information	:	Manufactured by M/s. Eureka Window Systems Pvt. Ltd.

भाग - ख / PART - B

अनुसूक्त सूचनाएँ / SUPPLEMENTARY INFORMATIONS

अ) सैंपलिंग कार्यवाहियों हेतु संदर्भ / a) Reference to sampling procedure	:	Sampling not done by this lab
आ) माप करने हेतु लिए गए सहायक दस्तावेज एवं प्राप्त परिणाम b) Supporting documents for the measurement taken and result derived	:	As given in Part C
इ) संबंधित कार्य अनुदेशों में निर्धारित के अनुसार परीक्षण रीति से कोई परिवर्तन c) Deviation from the test method as prescribed in relevant work instructions, if any	:	No deviation from the standard



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भाग - ग / PART - C

परीक्षण परिणाम / TEST RESULTS

Test Duration: 05.12.2019 to 24.12.2019

Sl. No.	Property	Standard	Unit	Results Obtained	Specified Requirements
1.	Wall Thickness i) Sight surface ii) Non sight surface	EN:12608 Clause 5.3.2	mm	2.68 2.36	≥ 2.50 ≥ 2.0
2.	Resistance to impact @-10 ⁰ C Falling mass 1000.0g Falling Height 1500.0mm	EN:12608 Clause 5.6	--	No failure was observed visually	Not more than one specimen shows rupture on the wall.
3.	Deviation from straightness	EN:12608 Clause 5.3.4	mm	0.06	Shall not be > 1mm for a 1 meter of length
4.	After heat ageing @ 150 ± 2°C for 24 hours Visual appearance	EN:12608 Clause 5.7.0	--	No defects, cracks, peel off and delamination was observed visually	Shall not show defects and delamination
5.	Weldability (Tensile Bending)	EN:12608 Cl.No.5.9	N	636.4	--
6.	Resistance to weathering (*UV Exposure) A) Charpy impact strength (Un notched) (i) Before UV Exposure (ii) After 120 hours UV Exposure B) Colour fastness after 120 hours UV Exposure ΔE ΔB Grey scale Reading	EN:12608 5.8.2 5.8.3 ISO-105 A04	kJ/m ² -- --	103.0 89.07 0.38 0.03 4.0	Minimum: 20.0 Shall not be > 5.0 > 3.0 Maximum: 4.0

(Contd...)

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TEST RESULTS

Date: **24.12.2019**

Sl. No.	Property	Standard	Unit	Results Obtained	Specified Requirements
7.	Flexural modulus	EN 12608 A.4.3	N/mm ²	2425.6	Min: 2200.0
8.	Vicat Softening Point @ 5kg load	A.4.1	°C	77.4	Min: 75.0
9.	Flammability (Rate of burning)	ASTM D 635	mm/min	The flame front does not reach 25mm reference mark. (Self extinguishing)	--
10.	Thermal conductivity @ 55°C mean temperature	ASTM E 1530	W/mk	0.117	--
11.	Limiting oxygen index	ASTM D 2863	%	50.1	--
12.	Water absorption	ASTM D 570	%	0.04	--
13.	Tensile strength @ 50mm/min	ASTM D-638	MPa	32.0	--
14.	Elongation at break	ASTM D 638	%	13.5	--
15.	Chemical Resistance for 24 hrs at RT i) with concentrated HCL ii) With 10% Aqueous solution of NaOH iii) with acetone	--	--	No discolouration, no delamination and no deformation was observed visually. No discolouration, no delamination and no deformation was observed visually. No discolouration, no delamination and no deformation was observed visually.	--
16.	Density	ASTM D 792	g/cc	1.56	--

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AUTHORISED SIGNATORY



CIPET
Chennai-32.



Continuation Sheet

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TEST RESULTS

Date: **24.12.2019**

***UV – Exposure Test Conditions**

Test Method	: ASTM G 155
UV - Light Source	: Xenon arc lamp
Irradiance	: $0.35 \pm 0.02 \text{ W/m}^2$ @ 340 nm
Chamber Temperature	: $42 \pm 2^\circ\text{C}$
Black Panel Temperature	: $63 \pm 2^\circ\text{C}$
Light Exposure Hours	: 102 Minutes
Water Spray Hours	: 18 Minutes
Total Hours of UV Exposure	: 120 Hours

PART - D

REMARKS – Nil

NOTE:

1. The results related only to the items tested as supplied by the party.
2. The test certificate shall not be reproduced in full except without the written approval of the laboratory.


AUTHORISED SIGNATORY