ATMY ANALYTICAL LABS PVT.LTD.

I-30, DLF Industrial Area, Phase-1, Faridabad (Haryana) INDIA
Phone: +91-129-4019544
info@atmylabs.com, www.atmylabs.com

• Testing
• Research
• Innovation

TEST REPORT

Report No.: **2206070025** Date: 14-06-2022

Issued To:

M/s SARVRAJ BUILDTECH PVT. LTD.
PLOT No.- 398, ECOTECH 1st EXTENSION, KASNA, GREATER NOIDA, U.P - 201306

Sample Description	:	UPVC PROFILE 3 TRACK (SBPL)
Sample Received Date	:	07-06-2022
Sample Drawn By	:	Client
Specification	:	--
Test Requested	:	Vicat Softening Temperature, MODULUS OF ELASTICITY, Titanium Oxide (TiO2), RESISTANCE TO IMPACT FALLING MASS, TENSILE, RoHS 6 Elements, IMPACT, WELD STRENGTH, HEAT REVERSION, DENSITY, Charpy Impact
Test Method	:	Refer to Attached Pages.
Test Result	:	Refer to Attached Pages.

SAMPLE PICTURE



Authentication: To Check authenticity of Test report (s), Scan **QR** code to get original data.

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I. Mechanical & Chemical

1. **Test Performed on : 07-06-2022 to 13-06-2022**

PHYSICAL TEST REPORT

TEST	UNIT	RESULT	TEST METHOD
Density	g/cc	1.46	ISO 1183
Tensile Impact Strength	KJ/m²	682.6	EN ISO 8256
Flexural Modulus	N/mm²	2445.4	ISO 178
Charpy Impact Strength (at 25±2°C/ Wall thickness)	KJ/m²	64.2	ISO 179
Izod Impact Strength (at 25±2°C/ Wall thickness)	KJ/m²	39.4	ISO 180
Vicat Softening Temperature(5 Kg)	°C	84.5	ISO 306
Titanium oxide (Tio_2)	%	7.20	ASTM E1621
Breaking Stress For Welded Corner (Mean Value)	N/mm²	67.5	EN 514
Heat Reversion (at 100°C for 1hrs.)	%	1.38	BS EN 479
Resistance to impact by falling mass (at 1 meter height, mass 1kg and temp -10°C)	---	No cracks Observed	BS EN 477
Calcium Carbonate as CaCO3	%	7.3	EN ISO 5949

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II. Chemical
2.

RoHS 6 Elements **Test Performed on : 07-06-2022 to 11-06-2022**

TEST PARAMETER	CAS No.	TEST METHOD	DETECTION LIMITS (mg/kg)	RESULTS (mg/kg)	MAX. PERMISSIBLE LIMITS (mg/kg)
Lead (as Pb)	7439-92-1	IEC 62321-5:2013,	1.0	ND	1000.0
Cadmium (as Cd)	7440-43-09	IEC 62321-5:2013,	1.0	ND	100.0
Mercury (as Hg)	7439-97-6	IEC 62321-4:2013	2.0	ND	1000.0
Hexa Chromium (as Cr+6)	10588-01-9	IEC 62321-7-2:2017	1.0	ND	1000.0
Sum of PBBs (Mono to Deca)		IEC 62321-6:2015 test performed by GC-MS			1000.0
Monobromobiphenyl	92-52-4		5.0	ND	
Dibromobiphenyl	92-86-4		5.0	ND	
Tribromobiphenyl	59080-34-1		5.0	ND	
Tetrabromobiphenyl	40088-45-7		5.0	ND	
Pentabromobiphenyl	56307-79-0		5.0	ND	
Hexabromobiphenyl	59080-40-9		5.0	ND	
Heptabromobiphenyl	35194-78-6		5.0	ND	
Octabromobiphenyl	6188-13-9		5.0	ND	
Nonabromobiphenyl	27753-52-2		5.0	ND	
Decabromobiphenyl	13654-09-6		5.0	ND	
Sum of PBDEs (Mono to Deca)		IEC 62321-6:2015 test performed by GC-MS			1000.0
Monobromodiphenyl ether	101-55-3		5.0	ND	
Dibromodiphenyl ether	205047-7		5.0	ND	
Tribromodiphenyl ether	49690-94-0		5.0	ND	
Tetrabromodiphenyl ether	40088-47-9		5.0	ND	
Pentabromodiphenyl ether	32534-81-9		5.0	ND	
Hexabromodiphenyl ether	36483-60-0		5.0	ND	
Heptabromodiphenyl ether	68928-80-3		5.0	ND	
Octabromodiphenyl ether	32536-52-0		5.0	ND	
Nonabromodiphenyl ether	63936-56-1		5.0	ND	
Decabromodiphenyl ether	1163-19-5		5.0	ND	

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Note:

1. The maximum permissible limits are quoted from the European Parliament and Council Directive2005/84/EC (amending Directive 2015/863 amending annex. II to Directive 2011/65/EU).
2. MDL = Method detection limits
3. N.D.= Not detected at the detection limits.
4. mg/kg = ppm (parts per million); 0.1wt% = 1000ppm
5. Lead content more than 85% in its alloys (Tin-Lead solder alloys) are exempted as per directives 2002/95/EC, Annexure article-7.

----------End of Report----------

ATMY ANALYTICAL LABS PVT. LTD. FARIDABAD

Vishal Singh Tomar
ANALYST

Authorised Signatory

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