RECOG. BY GOVT. OF INDIA (MoEFCC)
ENVIRONMENTAL LABORATORY
Sky LaB®
OUR GOAL POLLUTION CONTROL

Sky LaB
ANALYTICAL LABORATORY
Accredited by NABL as per ISO/IEC 17025:2017
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018
Recognized by Ministry of Environment, Forest & Climate Change (MoEFCC), Govt. of India, New Delhi
▪ ENVIRONMENT ▪ FOOD ▪ TEXTILE

Report No:	SLK/VIPL/2023/MSA1547B	**Report date:**	28/11/2023
Name & address of the client/customer	**M/S VRITTI IMPEX PVT. LTD** S.No: 86, Plot No: 6 & 7, Agra Road, Village Pundhe, Post: Atagoan, Tal: Shahpur-421601, Maharashtra, India	Sample ID	MSA 1547B
		Type of Sample & Batch No:	Super Form / Bendi/Flexible Plywood. No.01 DT.26/09/2023 MPF Resin
Sample collected by:	Party by courier	Date of sample Received	26/10/2023
Product Thickness:	8 mm Plywood FR Testing	Date start of Analysis	23/11/2023
Reference standard	EN13501-1 EN ISO 11925-2 BS EN 13823-2010 EN ISO:1182	Date of completion	28/11/2023
Fire class:	**B sl d0**	Over all Density 482/Kgm³	

Test result:

Test	Test Method	Parameter	No of test	Test result	
				Continues Parameter mean	Classification criteria / compliance
Non Combustibility	EN-ISO1182	ΔT, C	5	19.1	Pass
		ΔM %		28.5	Pass
		Tf, /Sec		0	Pass
Determination of Heat of combustion	EN-ISO1716	PCS, MJ /kg	3	14.3	Pass
Small flame Test	EN-ISO11925-2	Fs ≤ 150mm	6	-	Not reached
	Surface exposer application time 30s	Ignition of the ply/filter paper			Not ignited
	EN-ISO11925-2	Fs ≤ 150mm	6	-	Not reached
	Edge exposer application time 30s	Ignition of the ply/filter paper			Not ignited
Single burning item test (SBI)	BS-EN13823-2010	FIGRA 0.2MJ (W/S) FIGRA 0.4MJ (W/S) LFS< Edge THR 600s (MJ)	3	51 70 - 5.8	Pass
		SMOGRA (M^2 / S^2) TSP 600s (MJ)	3	13.6 25.8	Pass
		Flaming droplets particles	3	--	None

Fire classification:

General Classification	B
Additional classification in relation to smoke production	S1
Additional classification in relation to flaming droplets / particles	d0

This classification conducted in accordance clause 11 of the test method EN 13501-1+A1-2009.

Note: The test result relate to the behaviour of the specimen of a product under the particular condition of

The test. They are not intended to be the sole criterion for Assessing the potential fire hazard of the product in use where.

Conclusion: Reaction to fire classification- None

Remarks: The sample is not confirming to fire class A1, A2, $A1_n$ & $A2_n$.

For SKYLAB ANALYTICAL LABORATORY

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SALNAC24230902335

ΔT,	:	Temperature Rise °C
ΔM	:	Mass Loss %
T_f, /Sec	:	Duration of sustained flaming (seconds)
PCS	:	Grass calorific potential (MJ/kg)
Fs	:	Flame spread (mm)
FIGRA 0.2 MJ	:	Fire growth rate index at THR threshold of 0.2 MJ
FIGRA 0.4 MJ	:	Fire growth rate index at THR threshold of 0.4 MJ
THR	:	Total heat release
THR 600s	:	Total heat release within 600 second (MJ)
SMOGRA	:	SMOKE GROWTH RATE (M^2 / S^2)
TSP 600S	:	Total smoke production within 600s (M^2)
LSF	:	Located flame spread (m)

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Report No:	SLK/VIPL/2023/MSA1547A	Report date:	28/11/2023
Name & address of the client/customer	**M/S VRITTI IMPEX PVT. LTD** S.No: 86, Plot No: 6 & 7, Agra Road, Village Pundhe, Post: Atagoan, Tal: Shahpur-421601, Maharashtra, India	Sample ID	MSA 1547A
		Type of Sample & Batch No:	Super Form / Bendi/Flexible Plywood. No.01 DT.26/09/2023 MPF Resin
Sample collected by:	Party by courier	Date of sample Received	26/10/2023
Product Thickness:	3 mm Plywood FR Testing	Date start of Analysis	23/11/2023
Reference standard	EN13501-1 EN ISO 11925-2 BS EN 13823-2010 EN ISO:1182	Date of completion	28/11/2023
Fire class:	**B sl d0**	Over all Density 459/Kgm^3	

Test result:

Test	Test Method	Parameter	No of test	Test result	
				Continues Parameter mean	Classification criteria / compliance
Non Combustibility	EN-ISO1182	ΔT, C	5	**20.1**	**Pass**
		ΔM %		**31.5**	**Pass**
		Tf, /Sec		**0**	**Pass**
Determination of Heat of combustion	EN-ISO1716	PCS, MJ /kg	3	**12.3**	**Pass**
Small flame Test	EN-ISO11925-2	Fs ≤ 150mm	6	-	**Not reached**
	Surface exposer application time 30s	Ignition of the ply/filter paper			**Not ignited**
	EN-ISO11925-2	Fs ≤ 150mm	6	-	**Not reached**
	Edge exposer application time 30s	Ignition of the ply/filter paper			**Not ignited**
Single burning item test (SBI)	BS-EN13823-2010	FIGRA 0.2MJ (W/S) FIGRA 0.4MJ (W/S) LFS< Edge THR 600s (MJ)	3	54 69 - 5	**Pass**
		SMOGRA (M^2 / S^2) TSP 600s (MJ)	3	10.5 17.3	**Pass**
		Flaming droplets particles	3	--	**None**

Fire classification:

General Classification	B
Additional classification in relation to smoke production	S1
Additional classification in relation to flaming droplets / particles	d0

This classification conducted in accordance clause 11 of the test method EN 13501-1+A1-2009.

Note: The test result relate to the behaviour of the specimen of a product under the particular condition of

The test. They are not intended to be the sole criterion for Assessing the potential fire hazard of the product in use where.

Conclusion: Reaction to fire classification- None

Remarks: The sample is not confirming to fire class A1, A2, $A1_n$ & $A2_n$.

For SKYLAB ANALYTICAL LABORATORY

AUTHORISED SIGNATORY

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ΔT,	:	Temperature Rise °C
ΔM	:	Mass Loss %
$T_{f,}$ /Sec	:	Duration of sustained flaming (seconds)
PCS	:	Grass calorific potential (MJ/kg)
Fs	:	Flame spread (mm)
FIGRA 0.2 MJ	:	Fire growth rate index at THR threshold of 0.2 MJ
FIGRA 0.4 MJ	:	Fire growth rate index at THR threshold of 0.4 MJ
THR	:	Total heat release
THR 600s	:	Total heat release within 600 second (MJ)
SMOGRA	:	SMOKE GROWTH RATE (M^2 / S^2)
TSP 600S	:	Total smoke production within 600s (M^2)
LSF	:	Located flame spread (m)

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Report No:	SLK/VIPL/2023/MSA1547	Report date:	28/11/2023
Name & address of the client/customer	**M/S VRITTI IMPEX PVT. LTD** S.No: 86, Plot No: 6 & 7, Agra Road, Village Pundhe, Post: Atagoan, Tal: Shahpur-421601, Maharashtra, India	Sample ID	MSA 1547
		Type of Sample & Batch No:	Super Form / Bendi/Flexible Plywood. No.01 DT.26/09/2023 MPF Resin
Sample collected by:	Party by courier	Date of sample Received	26/10/2023
Product Thickness:	7mm Plywood FR Testing	Date start of Analysis	23/11/2023
Reference standard	EN13501-1 EN ISO 11925-2 BS EN 13823-2010 EN ISO:1182	Date of completion	28/11/2023
Fire class:	**B sl d0**	Over all Density	473/Kgm^3

Test result:

Test	Test Method	Parameter	No of test	Test result	
				Continues Parameter mean	Classification criteria / compliance
Non Combustibility	EN-ISO1182	ΔT, C	5	**23.2**	**Pass**
		ΔM %		**41.6**	**Pass**
		Tf, /Sec		**0**	**Pass**
Determination of Heat of combustion	EN-ISO1716	PCS, MJ /kg	3	**12.3**	**Pass**
Small flame Test	EN-ISO11925-2	Fs ≤ 150mm	6	-	**Not reached**
	Surface exposer application time 30s	Ignition of the ply/filter paper			**Not ignited**
	EN-ISO11925-2	Fs ≤ 150mm	6	-	**Not reached**
	Edge exposer application time 30s	Ignition of the ply/filter paper			**Not ignited**
Single burning item test (SBI)	BS-EN13823-2010	FIGRA 0.2MJ (W/S) FIGRA 0.4MJ (W/S) LFS< Edge THR 600s (MJ)	3	**74** **90** - **6**	**Pass**
		SMOGRA (M^2 / S^2) TSP 600s (MJ)	3	**11.6** **18.8**	**Pass**
		Flaming droplets particles	3	--	**None**

Fire classification:

General Classification	B
Additional classification in relation to smoke production	S1
Additional classification in relation to flaming droplets / particles	d0

This classification conducted in accordance clause 11 of the test method EN 13501-1+A1-2009.

Note: The test result relate to the behaviour of the specimen of a product under the particular condition of

The test. They are not intended to be the sole criterion for Assessing the potential fire hazard of the product in use where.

Conclusion: Reaction to fire classification- None

Remarks: The sample is not confirming to fire class A1, A2, A1$_n$ & A2$_n$.

For SKYLAB ANALYTICAL LABORATORY

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ΔT,	:	Temperature Rise °C
ΔM	:	Mass Loss %
T_f, /Sec	:	Duration of sustained flaming (seconds)
PCS	:	Grass calorific potential (MJ/kg)
Fs	:	Flame spread (mm)
FIGRA 0.2 MJ	:	Fire growth rate index at THR threshold of 0.2 MJ
FIGRA 0.4 MJ	:	Fire growth rate index at THR threshold of 0.4 MJ
THR	:	Total heat release
THR 600s	:	Total heat release within 600 second (MJ)
SMOGRA	:	SMOKE GROWTH RATE (M^2 / S^2)
TSP 600S	:	Total smoke production within 600s (M^2)
LSF	:	Located flame spread (m)