

**LAB LOCATION:** NOIDA-INDIA  
**REPORT NUMBER:** 78124-100401

**ISSUE DATE:** October 16, 2024  
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**Applicant** : GREENLAM INDUSTRIES LIMITED  
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**Sample Description** : HIGH PRESSURE DECORATIVE LAMIANTE  
**Color** : Décor 270  
**PO Number** : 4300010798  
**No of sample submitted** : 07 pcs swatch  
**Factory** : GREENLAM INDUSTRIES LIMITED  
**Country of Origin** : INDIA  
**Date of Submission** : Oct 10, 2024  
**Test Performance Dates** : Oct 10, 2024 to Oct 16, 2024

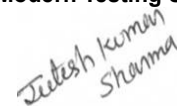
**Photo of Submitted Sample****78124-100401**

For and on behalf of  
Modern Testing Services (India) Ltd.



**Shivam Srivastava**  
Program Manager – Hardlines

For and on behalf of  
Modern Testing Services (India) Ltd.



**Jeetesh Kumar Sharma**  
(Lab Supervisor)

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<b>TEST RESULT SUMMARY</b>	
<b>Test Requested</b>	<b>Results</b>
Antimony, Barium & Selenium content	PASS (See Table #01)
Flame Retardants Content – Client's Requirement	PASS (See Table #02)
Organotin Content – Client's Requirement	PASS (See Table #03)
Chlorinated Paraffins Content – Client's Requirement (SCCPs)	PASS (See Table #04)

**REMARK**

- 1- The listed test is conducted as per vendor's request.
- 2- This report is generated in our local format and is for vendor's reference only.
- 3- The test requirements provided by the vendor.

**COMPONENT BREAKDOWN LIST:**

Test Item	Component Description
A1	Sheet

**Table #01**

Test Item	Result – Total Antimony (mg/kg)	Result – Total Barium (mg/kg)	Result – Total Selenium (mg/kg)	Conclusion
A1	16	<10 (Not Detected)	<10 (Not Detected)	PASS
<b>Limit</b>	≤60	≤500	≤500	

Method: Sample was digested with acid mixture and analyzed by Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram  
 "<" = less than

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**Table #02**  
**Flame Retardants Content – Client’s Requirement**

Test Item	Materials	Result (%)		Conclusion
		PBBs	PBDE	
A1	-	<0.001 (Not Detected)	<0.001 (Not Detected)	PASS
<b>Client’s Requirement</b>		Usage Banned	0.001	-

**List of Flame Retardants:**

Chemical Name	CAS No.	Chemical Name	CAS No.
Polybrominated Biphenyls (PBBs)	59536-65-1	Polybrominated diphenyl ethers (PBDE)	90193-67-2

Method: Sample was extracted with organic solvent and analyzed by Gas Chromatograph Mass Spectrometer / Liquid Chromatograph Mass Spectrometer.

Note: % = percentage  
 “<” = less than

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**Table #03**  
**Organotin Content – Client's Requirement**

Test Item	Result (%)		Conclusion
	TBT	TPT	
A1	<0.01 (Not Detected)	<0.01 (Not Detected)	PASS
<b>Limit</b> (% by weight of tin)	0.1	0.1	-

Method: With Reference to ISO 17353

Note: % = percentage

"<" = less than

Remark: This list of Organotin compound is summarized in below table:

List of Organotin compound			
Type	Name of Analyte	Type	Name of Analyte
I	Tri-substituted Organotin compound	II	Dibutyltin (DBT)
	- Tripropyltin (TPT)		
	- Tributyltin (TBT)	III	Diocetyl tin (DOT)
	- Trioctyl tin (TOT)		
	- Triphenyltin (TPhT)		
- Tricyclohexyltin (TcyT)			

**Table #04**  
**Chlorinated Paraffins Content – Client's Requirement (SCCPs)**

Test Item	SCCPs (C10-C13) (mg/kg)		Conclusion
	Result	Limit	
A1	<30 (Not Detected)	1500	PASS

Method: With Reference to ISO 18219

Note: mg/kg = milligram per kilogram

"<" = less than

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**NOTE:**

Test uncertainties not reported are at client's disposal, for those in which it is possible to evaluate or estimate the test uncertainty. The statement of conformity is based on a 95% coverage probability for the expanded uncertainty of the measured result (guard band):

## Rule 1:

For any requirement state to be "Maximum"

PASS - The measured result is below a specification limit minus guard band.

INCONCLUSIVE - The measured result is inside the guard band and below the specification limit and the measured result is above the specification limit but below the specification limit added to the guard band.

FAIL - The measured result is above a specification limit added to the guard band.

DATA – There is no specification limit required which is not possible to state the conformity.

## Rule 2:

For any requirement state to be "Minimum"

PASS - The measured result is above a specification limit plus guard band.

INCONCLUSIVE- The measured result is inside the guard band and above the specification limit and the measured result is below the specification limit but above the specification limit added to the guard band.

FAIL - The measured result is below a specification limit minus guard band.

DATA – There is no specification limit required which is not possible to state the conformity.

## Rule 3:

For any requirement state to be "a range (Between Upper to Lower specification limit)"

PASS - The measured result is within a range of upper and lower acceptance limit.

INCONCLUSIVE- The measured result is inside the guard band at either side of specification limits

FAIL - The measured result is outside a specification limit minus/added to the guard band.

DATA – There is no specification limit required which is not possible to state the conformity.

## Rule 4:

For any test based on subjective grading of results by using 9-point scale

PASS - The measured result is above specification limit.

FAIL - The measured result is below a specification limit.

DATA – There is no specification limit required which is not possible to state the conformity.