



REGIONAL STANDARDS AND TESTING LABORATORIES
DEPARTMENT OF SCIENCE AND TECHNOLOGY - X
J.V. Serina Street, Carmen, 9000, Cagayan de Oro City
Republic of the Philippines

MATERIALS TESTING LABORATORY

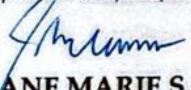
REPORT OF ANALYSIS

Customer's Name : NUMAT SUSTAINABLE MNFNG
Customer's Address : Alae, Manolo Fortich, Bukidnon
Submitted by : Mr. Bryan Suarin
Address : Alae, Manolo Fortich, Bukidnon
Date Submitted : 23 October 2025
Request Number : R10-102025-MTL-0056

Sample Description	Parameter(s)	Method Used	Date of Analysis	Result
Sample coded as Engineered Bamboo (12mm x 48mm x 25mm)	Compressive Strength	ASTM D 1037, Compression Parallel to Surface (Method C)	27 October 2025	25.19 MPa
Sampling Date: Not indicated	Modulus of Elasticity		27 October 2025	1692.33 MPa
Manufacturing Date: Not indicated	Stress at Proportional Limit		27 October 2025	23.91 MPa
Sample code: MTL-0056				

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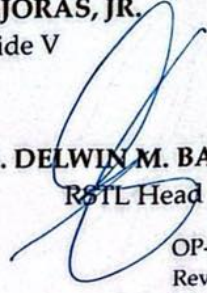
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Project Technical Specialist I

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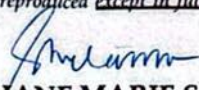
**MATERIALS TESTING LABORATORY**

**REPORT OF ANALYSIS**

Customer's Name : NUMAT SUSTAINABLE MNFNG  
Customer's Address : Alae, Manolo Fortich, Bukidnon  
Submitted by : Mr. Bryan Suarin  
Address : Alae, Manolo Fortich, Bukidnon  
Date Submitted : 23 October 2025  
Request Number : R10-102025-MTL-0053

| Sample Description                                               | Parameter(s)                         | Method Used                    | Date of Analysis | Result                                          |
|------------------------------------------------------------------|--------------------------------------|--------------------------------|------------------|-------------------------------------------------|
| Sample coded as<br>Engineered Bamboo<br>(12mm x 338mm x75<br>mm) | Modulus of<br>Rupture                | ASTM D 1037,<br>Static Bending | 06 November 2025 | 32.89 MPa<br>(Parallel section<br>facing up)    |
| Sampling Date:<br>Not indicated                                  |                                      |                                |                  | 46.35 MPa<br>(Crosswise<br>section facing up)   |
| Manufacturing<br>Date:<br>Not indicated                          | Apparent<br>Modulus of<br>Elasticity |                                | 06 November 2025 | 2466.03 MPa<br>(Parallel section<br>facing up)  |
| Sample code:<br>MTL-0053                                         |                                      |                                |                  | 2581.52 MPa<br>(Crosswise<br>section facing up) |

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REPORT OF ANALYSIS

Customer's Name : NUMAT SUSTAINABLE MNFNG
Customer's Address : Alae, Manolo Fortich, Bukidnon
Submitted by : Mr. Bryan Suarin
Address : Alae, Manolo Fortich, Bukidnon
Date Submitted : 23 October 2025
Request Number : R10-102025-MTL-0057

Sample Description	Parameter(s)	Method Used	Date of Analysis	Result
Sample coded as Engineered Bamboo (20mm x 80mm x 25mm)	Compressive Strength	ASTM D 1037, Compression Parallel to Surface (Method C)	27 October 2025	27.64 MPa
Sampling Date: Not indicated	Modulus of Elasticity		27 October 2025	1828.01 MPa
Manufacturing Date: Not indicated	Stress at Proportional Limit		27 October 2025	24.82 MPa
Sample code: MTL-0057				

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MATERIALS TESTING LABORATORY

REPORT OF ANALYSIS

Customer's Name : NUMAT SUSTAINABLE MNFNG
Customer's Address : Alae, Manolo Fortich, Bukidnon
Submitted by : Mr. Bryan Suarin
Address : Alae, Manolo Fortich, Bukidnon
Date Submitted : 23 October 2025
Request Number : R10-102025-MTL-0059

Sample Description	Parameter(s)	Method Used	Date of Analysis	Result
Sample coded as Engineered Bamboo (20mm x 152mm x 76mm) Sampling Date: Not indicated Manufacturing Date: Not indicated Sample code: MTL-0059	Hardness	ASTM D 1037, Hardness (Modified Janka-ball Test Method)	24 October 2025	3918.33 N

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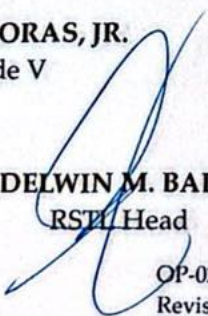
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**MATERIALS TESTING LABORATORY**

**REPORT OF ANALYSIS**

Customer's Name : NUMAT SUSTAINABLE MNFNG  
Customer's Address : Alae, Manolo Fortich, Bukidnon  
Submitted by : Mr. Bryan Suarin  
Address : Alae, Manolo Fortich, Bukidnon  
Date Submitted : 23 October 2025  
Request Number : R10-102025-MTL-0054

| Sample Description                                      | Parameter(s)                   | Method Used                 | Date of Analysis | Result      |
|---------------------------------------------------------|--------------------------------|-----------------------------|------------------|-------------|
| Sample coded as Engineered Bamboo (20mm x 530mm x 75mm) | Modulus of Rupture             | ASTM D 1037, Static Bending | 06 November 2025 | 22.77 MPa   |
| Sampling Date: Not indicated                            |                                |                             |                  |             |
| Manufacturing Date: Not indicated                       | Apparent Modulus of Elasticity |                             | 06 November 2025 | 2211.82 MPa |
| Sample code: MTL-0054                                   |                                |                             |                  |             |

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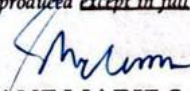
REPORT OF ANALYSIS

Customer's Name : NUMAT SUSTAINABLE MNFNG
Customer's Address : Alae, Manolo Fortich, Bukidnon
Submitted by : Mr. Bryan Suarin
Address : Alae, Manolo Fortich, Bukidnon
Date Submitted : 23 October 2025
Request Number : R10-102025-MTL-0058

Sample Description	Parameter(s)	Method Used	Date of Analysis	Result
Sample coded as Engineered Bamboo (30mm x 120mm x 25mm)	Compressive Strength	ASTM D 1037, Compression Parallel to Surface (Method C)	27 October 2025	30.46 MPa
Sampling Date: Not indicated	Modulus of Elasticity		27 October 2025	3768.93 MPa
Manufacturing Date: Not indicated	Stress at Proportional Limit		27 October 2025	30.33 MPa
Sample code: MTL-0058				

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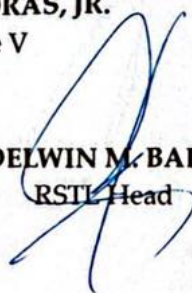
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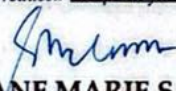
**REPORT OF ANALYSIS**

Customer's Name : NUMAT SUSTAINABLE MNFNG  
Customer's Address : Alae, Manolo Fortich, Bukidnon  
Submitted by : Mr. Bryan Suarin  
Address : Alae, Manolo Fortich, Bukidnon  
Date Submitted : 23 October 2025  
Request Number : R10-102025-MTL-0060

| Sample Description                                                                                                                                                                     | Parameter(s) | Method Used                                                      | Date of Analysis | Result    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------|------------------|-----------|
| Sample coded as<br>Engineered Bamboo<br>(30mm x 152mm x<br>76mm)<br><br>Sampling Date:<br>Not indicated<br><br>Manufacturing<br>Date:<br>Not indicated<br><br>Sample code:<br>MTL-0060 | Hardness     | ASTM D 1037,<br>Hardness (Modified<br>Janka-ball Test<br>Method) | 24 October 2025  | 4252.67 N |

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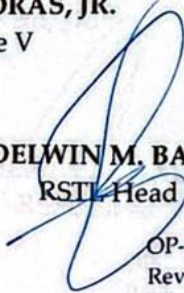
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Customer's Address : Alae, Manolo Fortich, Bukidnon
Submitted by : Mr. Bryan Suarin
Address : Alae, Manolo Fortich, Bukidnon
Date Submitted : 23 October 2025
Request Number : R10-102025-MTL-0055

Sample Description	Parameter(s)	Method Used	Date of Analysis	Result
Sample coded as Engineered Bamboo (30mm x 770mm x 75mm)	Modulus of Rupture	ASTM D 1037, Static Bending	06 November 2025	69.44 MPa
Sampling Date: Not indicated				
Manufacturing Date: Not indicated	Apparent Modulus of Elasticity		06 November 2025	10256.71 MPa
Sample code: MTL-0055				

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Customer's Address : Alae, Manolo Fortich, Bukidnon
Submitted by : Mr. Bryan Suarin
Address : Alae, Manolo Fortich, Bukidnon
Date Submitted : 23 October 2025
Request Number : R10-102025-MTL-0061

Sample Description	Parameter(s)	Method Used	Date of Analysis	Result
Sample coded as Engineered Bamboo (44mm x 152mm x 76mm) Sampling Date: Not indicated Manufacturing Date: Not indicated Sample code: MTL-0061	Hardness	ASTM D 1037, Hardness (Modified Janka-ball Test Method)	24 October 2025	7377.33 N

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