



CERTIFICATE NO.  
ISSUE DATE

AGRO-QC-0312-2026  
11 AUGUST 2026

## QUALITY CERTIFICATE

| CUSTOMER INFORMATION |                               | PRODUCT INFORMATION |                                     | LOT INFORMATION |                |
|----------------------|-------------------------------|---------------------|-------------------------------------|-----------------|----------------|
| CUSTOMER             | ห้างหุ้นส่วนจำกัด เกษมกรคำไม้ | PRODUCT             | High Moisture Resistant Board (HMR) | THICKNESS       | 4.0 mm         |
| COUNTRY              | Thailand                      | BOARD TYPE          | HMR V313                            | SIZE            | 1230 x 2450 mm |
| PO NO.               | -                             | GRADE               | CARB P2 / EPA TSCA Title VI         | LOT NO.         | 0344-26        |
| INVOICE NO.          | -                             | WOOD SPECIES        | 100% Eucalyptus                     | QUANTITY        | -              |

| TEST RESULTS                           |                   |                 |                             |           |            |
|----------------------------------------|-------------------|-----------------|-----------------------------|-----------|------------|
| ITEM                                   | UNIT              | TEST METHOD     | SPECIFICATION               | RESULT    | CONCLUSION |
| Thickness                              | mm                | EN 324-1        | 4.0 + 0.2                   | 4.18      | PASS       |
| Length                                 | mm                | EN 324-1        | 1230 ± 2.0                  | 1230      | PASS       |
| Width                                  | mm                | EN 324-1        | 2450 ± 2.0                  | 2450      | PASS       |
| Moisture Content                       | %                 | EN 322          | 4.0 - 11.0                  | 8.59      | PASS       |
| Density                                | Kg/m <sup>3</sup> | EN 323          | 800 - 860                   | 841       | PASS       |
| Modulus of Rupture (MOR)               | N/mm <sup>2</sup> | EN 310          | ≥ 40                        | 48.87     | PASS       |
| Modulus of Elasticity (MOE)            | N/mm <sup>2</sup> | EN 310          | ≥ 2900                      | 3627      | PASS       |
| Internal Bond (IB)                     | N/mm <sup>2</sup> | EN 319          | ≥ 1.2                       | 1.77      | PASS       |
| Screw Holding Strength - Face          | N                 | EN 320          | -                           | -         | -          |
| Screw Holding Strength - Edge          | N                 | EN 320          | -                           | -         | -          |
| Thickness Swelling (24 hr)             | %                 | EN 317          | ≤ 25                        | 12.26     | PASS       |
| Thickness Swelling after Cyclic (V313) | %                 | EN 317 & EN 321 | ≤ 40                        | ≤ 40      | PASS       |
| Internal Bond after Cyclic (V313)      | N/mm <sup>2</sup> | EN 319 & EN 321 | ≥ 0.35                      | ≥ 0.35    | PASS       |
| Formaldehyde Content                   | mg/100g           | ISO 12460-5     | ≤ 5.67                      | 4.36      | PASS       |
| Emission Class                         | -                 | -               | CARB P2 / EPA TSCA Title VI | Compliant | PASS       |

This production lot complies with the specified quality requirements.

REMARK: The test results reported in this certificate represent the average values obtained from representative samples of the above-mentioned production lot.

PREPARED BY

Benchamad

Miss Benchamad K.  
QA Inspector

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QA Supervisor

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26/8/2026

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CERTIFICATE NO.  
ISSUE DATE

AGRO-QC-0313-2026  
11 AUGUST 2026

## QUALITY CERTIFICATE

| CUSTOMER INFORMATION |                                   | PRODUCT INFORMATION |                                     | LOT INFORMATION |                |
|----------------------|-----------------------------------|---------------------|-------------------------------------|-----------------|----------------|
| CUSTOMER             | ห้างหุ้นส่วนจำกัด เกษริ่งไกรคำไม้ | PRODUCT             | High Moisture Resistant Board (HMR) | THICKNESS       | 6.0 mm         |
| COUNTRY              | Thailand                          | BOARD TYPE          | HMR V313                            | SIZE            | 1230 x 2450 mm |
| PO NO.               | -                                 | GRADE               | CARB P2 / EPA TSCA Title VI         | LOT NO.         | 0312-26        |
| INVOICE NO.          | -                                 | WOOD SPECIES        | 100% Eucalyptus                     | QUANTITY        | -              |

| TEST RESULTS                           |                   |                 |                             |           |            |
|----------------------------------------|-------------------|-----------------|-----------------------------|-----------|------------|
| ITEM                                   | UNIT              | TEST METHOD     | SPECIFICATION               | RESULT    | CONCLUSION |
| Thickness                              | mm                | EN 324-1        | 6.0 + 0.2                   | 6.15      | PASS       |
| Length                                 | mm                | EN 324-1        | 1230 ± 2.0                  | 1230      | PASS       |
| Width                                  | mm                | EN 324-1        | 2450 ± 2.0                  | 2450      | PASS       |
| Moisture Content                       | %                 | EN 322          | 4.0 - 11.0                  | 7.81      | PASS       |
| Density                                | Kg/m <sup>3</sup> | EN 323          | 800 - 860                   | 802       | PASS       |
| Modulus of Rupture (MOR)               | N/mm <sup>2</sup> | EN 310          | ≥ 40                        | 57.52     | PASS       |
| Modulus of Elasticity (MOE)            | N/mm <sup>2</sup> | EN 310          | ≥ 2900                      | 4132      | PASS       |
| Internal Bond (IB)                     | N/mm <sup>2</sup> | EN 319          | ≥ 1.2                       | 2.10      | PASS       |
| Screw Holding Strength - Face          | N                 | EN 320          | -                           | -         | -          |
| Screw Holding Strength - Edge          | N                 | EN 320          | -                           | -         | -          |
| Thickness Swelling (24 hr)             | %                 | EN 317          | ≤ 18                        | 8.28      | PASS       |
| Thickness Swelling after Cyclic (V313) | %                 | EN 317 & EN 321 | ≤ 25                        | ≤ 25      | PASS       |
| Internal Bond after Cyclic (V313)      | N/mm <sup>2</sup> | EN 319 & EN 321 | ≥ 0.35                      | ≥ 0.35    | PASS       |
| Formaldehyde Content                   | mg/100g           | ISO 12460-5     | ≤ 5.8                       | 5.54      | PASS       |
| Emission Class                         | -                 | -               | CARB P2 / EPA TSCA Title VI | Compliant | PASS       |

This production lot complies with the specified quality requirements.

REMARK: The test results reported in this certificate represent the average values obtained from representative samples of the above-mentioned production lot.

PREPARED BY

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Miss Benchamad K.  
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CERTIFICATE NO. AGRO-QC-0314-2026  
ISSUE DATE 11 AUGUST 2026

## QUALITY CERTIFICATE

| CUSTOMER INFORMATION |                                   | PRODUCT INFORMATION |                                     | LOT INFORMATION |                |
|----------------------|-----------------------------------|---------------------|-------------------------------------|-----------------|----------------|
| CUSTOMER             | ห้างหุ้นส่วนจำกัด เกษริ่งไกรคำไม้ | PRODUCT             | High Moisture Resistant Board (HMR) | THICKNESS       | 9.0 mm         |
| COUNTRY              | Thailand                          | BOARD TYPE          | HMR V313                            | SIZE            | 1230 x 2450 mm |
| PO NO.               | -                                 | GRADE               | CARB P2 / EPA TSCA Title VI         | LOT NO.         | 0346-26        |
| INVOICE NO.          | -                                 | WOOD SPECIES        | 100% Eucalyptus                     | QUANTITY        | -              |

| TEST RESULTS                           |                   |                 |                             |           |            |
|----------------------------------------|-------------------|-----------------|-----------------------------|-----------|------------|
| ITEM                                   | UNIT              | TEST METHOD     | SPECIFICATION               | RESULT    | CONCLUSION |
| Thickness                              | mm                | EN 324-1        | 9.0 + 0.2                   | 9.14      | PASS       |
| Length                                 | mm                | EN 324-1        | 1230 ± 2.0                  | 1230      | PASS       |
| Width                                  | mm                | EN 324-1        | 2450 ± 2.0                  | 2450      | PASS       |
| Moisture Content                       | %                 | EN 322          | 4.0 - 11.0                  | 8.17      | PASS       |
| Density                                | Kg/m <sup>3</sup> | EN 323          | 760 - 820                   | 781       | PASS       |
| Modulus of Rupture (MOR)               | N/mm <sup>2</sup> | EN 310          | ≥ 40                        | 42.83     | PASS       |
| Modulus of Elasticity (MOE)            | N/mm <sup>2</sup> | EN 310          | ≥ 2900                      | 3812      | PASS       |
| Internal Bond (IB)                     | N/mm <sup>2</sup> | EN 319          | ≥ 1.0                       | 1.64      | PASS       |
| Screw Holding Strength - Face          | N                 | EN 320          | -                           | -         | -          |
| Screw Holding Strength - Edge          | N                 | EN 320          | -                           | -         | -          |
| Thickness Swelling (24 hr)             | %                 | EN 317          | ≤ 12                        | 6.43      | PASS       |
| Thickness Swelling after Cyclic (V313) | %                 | EN 317 & EN 321 | ≤ 19                        | ≤ 19      | PASS       |
| Internal Bond after Cyclic (V313)      | N/mm <sup>2</sup> | EN 319 & EN 321 | ≥ 0.30                      | ≥ 0.30    | PASS       |
| Formaldehyde Content                   | mg/100g           | ISO 12460-5     | ≤ 5.5                       | 3.84      | PASS       |
| Emission Class                         | -                 | -               | CARB P2 / EPA TSCA Title VI | Compliant | PASS       |

This production lot complies with the specified quality requirements.

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PREPARED BY

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CERTIFICATE NO.  
ISSUE DATE

AGRO-QC-0315-2026  
11 AUGUST 2026

## QUALITY CERTIFICATE

| CUSTOMER INFORMATION |                                   | PRODUCT INFORMATION |                                     | LOT INFORMATION |                |
|----------------------|-----------------------------------|---------------------|-------------------------------------|-----------------|----------------|
| CUSTOMER             | ห้างหุ้นส่วนจำกัด เกษริ่งไกรคำไม้ | PRODUCT             | High Moisture Resistant Board (HMR) | THICKNESS       | 12.0 mm        |
| COUNTRY              | Thailand                          | BOARD TYPE          | HMR V313                            | SIZE            | 1230 x 2450 mm |
| PO NO.               | -                                 | GRADE               | CARB P2 / EPA TSCA Title VI         | LOT NO.         | 0144-26        |
| INVOICE NO.          | -                                 | WOOD SPECIES        | 100% Eucalyptus                     | QUANTITY        | -              |

| TEST RESULTS                           |                   |                 |                             |           |            |
|----------------------------------------|-------------------|-----------------|-----------------------------|-----------|------------|
| ITEM                                   | UNIT              | TEST METHOD     | SPECIFICATION               | RESULT    | CONCLUSION |
| Thickness                              | mm                | EN 324-1        | 12.0 ± 0.2                  | 12.09     | PASS       |
| Length                                 | mm                | EN 324-1        | 1230 ± 2.0                  | 1230      | PASS       |
| Width                                  | mm                | EN 324-1        | 2450 ± 2.0                  | 2450      | PASS       |
| Moisture Content                       | %                 | EN 322          | 4.0 - 11.0                  | 7.26      | PASS       |
| Density                                | Kg/m <sup>3</sup> | EN 323          | 760 - 820                   | 804       | PASS       |
| Modulus of Rupture (MOR)               | N/mm <sup>2</sup> | EN 310          | ≥ 38                        | 45.33     | PASS       |
| Modulus of Elasticity (MOE)            | N/mm <sup>2</sup> | EN 310          | ≥ 2700                      | 3654      | PASS       |
| Internal Bond (IB)                     | N/mm <sup>2</sup> | EN 319          | ≥ 0.8                       | 1.74      | PASS       |
| Screw Holding Strength - Face          | N                 | EN 320          | -                           | -         | -          |
| Screw Holding Strength - Edge          | N                 | EN 320          | -                           | -         | -          |
| Thickness Swelling (24 hr)             | %                 | EN 317          | ≤ 10                        | 6.35      | PASS       |
| Thickness Swelling after Cyclic (V313) | %                 | EN 317 & EN 321 | ≤ 16                        | ≤ 16      | PASS       |
| Internal Bond after Cyclic (V313)      | N/mm <sup>2</sup> | EN 319 & EN 321 | ≥ 0.25                      | ≥ 0.25    | PASS       |
| Formaldehyde Content                   | mg/100g           | ISO 12460-5     | ≤ 5.5                       | 3.44      | PASS       |
| Emission Class                         | -                 | -               | CARB P2 / EPA TSCA Title VI | Compliant | PASS       |

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CERTIFICATE NO. AGRO-QC-0316-2026  
ISSUE DATE 11 AUGUST 2026

## QUALITY CERTIFICATE

| CUSTOMER INFORMATION |                                  | PRODUCT INFORMATION |                                     | LOT INFORMATION |                |
|----------------------|----------------------------------|---------------------|-------------------------------------|-----------------|----------------|
| CUSTOMER             | ห้างหุ้นส่วนจำกัด เกษียงไครดำไม้ | PRODUCT             | High Moisture Resistant Board (HMR) | THICKNESS       | 15.0 mm        |
| COUNTRY              | Thailand                         | BOARD TYPE          | HMR V313                            | SIZE            | 1230 x 2450 mm |
| PO NO.               | -                                | GRADE               | CARB P2 / EPA TSCA Title VI         | LOT NO.         | 0347-26        |
| INVOICE NO.          | -                                | WOOD SPECIES        | 100% Eucalyptus                     | QUANTITY        | -              |

| TEST RESULTS                           |                   |                 |                             |           |            |
|----------------------------------------|-------------------|-----------------|-----------------------------|-----------|------------|
| ITEM                                   | UNIT              | TEST METHOD     | SPECIFICATION               | RESULT    | CONCLUSION |
| Thickness                              | mm                | EN 324-1        | 15.0 ± 0.2                  | 15.12     | PASS       |
| Length                                 | mm                | EN 324-1        | 1230 ± 2.0                  | 1230      | PASS       |
| Width                                  | mm                | EN 324-1        | 2450 ± 2.0                  | 2450      | PASS       |
| Moisture Content                       | %                 | EN 322          | 4.0 - 11.0                  | 8.66      | PASS       |
| Density                                | Kg/m <sup>3</sup> | EN 323          | 740 - 780                   | 760       | PASS       |
| Modulus of Rupture (MOR)               | N/mm <sup>2</sup> | EN 310          | ≥ 38                        | 46.01     | PASS       |
| Modulus of Elasticity (MOE)            | N/mm <sup>2</sup> | EN 310          | ≥ 2600                      | 3763      | PASS       |
| Internal Bond (IB)                     | N/mm <sup>2</sup> | EN 319          | ≥ 0.8                       | 1.62      | PASS       |
| Screw Holding Strength - Face          | N                 | EN 320          | ≥ 1000                      | 1513      | PASS       |
| Screw Holding Strength - Edge          | N                 | EN 320          | ≥ 800                       | 1115      | PASS       |
| Thickness Swelling (24 hr)             | %                 | EN 317          | ≤ 8                         | 4.91      | PASS       |
| Thickness Swelling after Cyclic (V313) | %                 | EN 317 & EN 321 | ≤ 15                        | ≤ 15      | PASS       |
| Internal Bond after Cyclic (V313)      | N/mm <sup>2</sup> | EN 319 & EN 321 | ≥ 0.20                      | ≥ 0.20    | PASS       |
| Formaldehyde Content                   | mg/100g           | ISO 12460-5     | ≤ 5.5                       | 4.65      | PASS       |
| Emission Class                         | -                 | -               | CARB P2 / EPA TSCA Title VI | Compliant | PASS       |

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CERTIFICATE NO.  
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AGRO-QC-0317-2026  
11 AUGUST 2026

## QUALITY CERTIFICATE

| CUSTOMER INFORMATION |                                   | PRODUCT INFORMATION |                                     | LOT INFORMATION |                |
|----------------------|-----------------------------------|---------------------|-------------------------------------|-----------------|----------------|
| CUSTOMER             | ห้างหุ้นส่วนจำกัด เกษริ่งไกรคำไม้ | PRODUCT             | High Moisture Resistant Board (HMR) | THICKNESS       | 18.0 mm        |
| COUNTRY              | Thailand                          | BOARD TYPE          | HMR V313                            | SIZE            | 1230 x 2450 mm |
| PO NO.               | -                                 | GRADE               | CARB P2 / EPA TSCA Title VI         | LOT NO.         | 0320-26        |
| INVOICE NO.          | -                                 | WOOD SPECIES        | 100% Eucalyptus                     | QUANTITY        | -              |

| TEST RESULTS                           |                   |                 |                             |           |            |
|----------------------------------------|-------------------|-----------------|-----------------------------|-----------|------------|
| ITEM                                   | UNIT              | TEST METHOD     | SPECIFICATION               | RESULT    | CONCLUSION |
| Thickness                              | mm                | EN 324-1        | 18.0 ± 0.2                  | 18.15     | PASS       |
| Length                                 | mm                | EN 324-1        | 1230 ± 2.0                  | 1230      | PASS       |
| Width                                  | mm                | EN 324-1        | 2450 ± 2.0                  | 2450      | PASS       |
| Moisture Content                       | %                 | EN 322          | 4.0 - 11.0                  | 7.82      | PASS       |
| Density                                | Kg/m <sup>3</sup> | EN 323          | 740 - 780                   | 761       | PASS       |
| Modulus of Rupture (MOR)               | N/mm <sup>2</sup> | EN 310          | ≥ 38                        | 39.98     | PASS       |
| Modulus of Elasticity (MOE)            | N/mm <sup>2</sup> | EN 310          | ≥ 2600                      | 3240      | PASS       |
| Internal Bond (IB)                     | N/mm <sup>2</sup> | EN 319          | ≥ 0.8                       | 1.59      | PASS       |
| Screw Holding Strength - Face          | N                 | EN 320          | ≥ 1000                      | 1609      | PASS       |
| Screw Holding Strength - Edge          | N                 | EN 320          | ≥ 800                       | 1361      | PASS       |
| Thickness Swelling (24 hr)             | %                 | EN 317          | ≤ 8                         | 4.76      | PASS       |
| Thickness Swelling after Cyclic (V313) | %                 | EN 317 & EN 321 | ≤ 15                        | ≤ 15      | PASS       |
| Internal Bond after Cyclic (V313)      | N/mm <sup>2</sup> | EN 319 & EN 321 | ≥ 0.20                      | ≥ 0.20    | PASS       |
| Formaldehyde Content                   | mg/100g           | ISO 12460-5     | ≤ 5.69                      | 4.15      | PASS       |
| Emission Class                         | -                 | -               | CARB P2 / EPA TSCA Title VI | Compliant | PASS       |

This production lot complies with the specified quality requirements.

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