Table 1: Summary of new Chinese manufactured laminate flooring samples tested to characterize emissions.

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Sample Number</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Laminate</td>
<td>26</td>
<td>ASM Method</td>
</tr>
<tr>
<td>New Laminate Different ( \alpha )</td>
<td>11</td>
<td>CDPH Method</td>
</tr>
<tr>
<td>Indeterminate</td>
<td>20</td>
<td>CDPH Method</td>
</tr>
</tbody>
</table>

Calculation Model:

\[
\text{Formaldehyde Concentration (ppm)} = \frac{\text{CTWA} \times \text{IR} \times \text{EF} \times \text{ED}}{\text{Alaminate} + \text{Lumber Liquidator laminate}}
\]

Where,

- \( \text{CTWA} \) = Exposure concentration (µg/m³);
- \( \text{IR} \) = Calculation Mode (1 = 0.25, 2 = 0.45, 3 = 0.50);
- \( \text{EF} \) = Exposure duration as fraction of a 70 year lifetime (12/70, 20/70 or 26/70);
- \( \text{ED} \) = Exposure duration (0, 10, 20, or 30 years);
- \( \text{Alaminate} \) = fraction of home floor area covered with laminate (unitless);
- \( \text{Lumber Liquidator laminate} \) = fraction of home floor area covered with Lumber Liquidator laminate (unitless);
- \( \text{EF} \) = Emission factor (µg/m²/h); and
- \( \text{ED} \) = Exposure duration (0, 10, 20, or 30 years).

Table 2: Predicted Residential TWA formaldehyde concentrations.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Table 3: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 4: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 5: Predicted Residential TWA formaldehyde concentrations.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
</tr>
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<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 6: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 7: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 8: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
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</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 9: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 10: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 11: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 12: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 13: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
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<td>0.30</td>
</tr>
</tbody>
</table>

Table 14: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor</td>
<td>0.25</td>
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</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 15: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
<th>Lumber Liquidator Laminate</th>
<th>Chinese Laminate</th>
</tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 16: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 17: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
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</thead>
<tbody>
<tr>
<td>Indoor</td>
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</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 18: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
<th></th>
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<th>Chinese Laminate</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0.25</td>
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</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

Table 19: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
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<tbody>
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<td>Outdoor</td>
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<td>0.30</td>
</tr>
</tbody>
</table>

Table 20: Summary of formaldehyde emissions from Chinese manufactured laminate flooring.

<table>
<thead>
<tr>
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<th>Chinese Laminate</th>
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</thead>
<tbody>
<tr>
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<td>0.25</td>
</tr>
<tr>
<td>Outdoor</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>