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|  | Organization/Unit: | إدارة مختبر دبي المركزي Dubai Central Laboratory Department | الوحدة التنظيمية: |  |
| | Document Title: | Certification of Formaldehyde in Composite Wood As per Related Sections in Al Sa'fat and Dubai Building Code | عنوان الوثيقة: | |
| | Doc Ref. | DM-DCLD-RD-DP32-5116 (IC) | رقم الوثيقة: | |

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| Date of Issue: 04/07/2024 | Rev. No.: 07 |
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| Issue Date | Rev. No. | Summary Of Amendments |
|------------|----------|---|
| 03-05-2016 | 0 | First draft for comments |
| 19-05-2016 | 0 | Final draft |
| 10-08-2016 | 1 | Issue for use |
| 25-12-2017 | 2 | Amended to change the validity of the certificate |
| 11-04-2019 | 3 | Updated format as per new DM template and logo |
| 12-05-2022 | 4 | Updated based on 2020 Al Sa'fat Dubai Green Building System. The Type 1 certification validity. Format updated with Dubai font. Other updates as highlighted. Alignment with the latest numbering and terminology system in DCLD. |
| 07-10-2022 | 5 | Changing section name as per the new organizational structure, and replace HOU by CQPSM (Section's Manager). |
| 18-04-2023 | 6 | Full re-structuring and transfer of common provisions to the general rule. Align with the updated SA'FAT and Dubai Building Code requirements. Clauses are re-numbered and re-arrange. Document title has been revised accordingly. Additional minor changes (highlighted). Use of New DM Logo. |
| 04-07-2024 | 7 | Changing the logo of the Government of Dubai with the latest design. |

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1. INTRODUCTION AND SCOPE

- 1.1 This document prescribes the specific rule for certification of the product(s) as identified herein, in accordance with the requirements of DM Third Party Product Certification Scheme Through Type 1 , taking into consideration the applicable normative references and standard specification, in addition to the requirements for conformity evaluation, as stated below.
- 1.2 The applicant shall comply with these specific rules, and with those already mentioned in the “**General Rules for Type1 Product Certification Scheme**” (DM-DCLD-RD-DP32-5001(IC)).
- 1.3 Type 1a and Type 1b certification shall be issued based on the relevant provisions in the general rules DM-DCLD-RD-DP32-5001(IC).

2. PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

- 2.1 Product name: Composite Wood Products
- 2.2 Applicable standard/Normative reference: Al Sa'fat Dubai Green Building System-2nd edition
January 2023-Clause [701.08], and Dubai Building Code
– Parts B (B.10.6.5).

3. DEFINITION OF TERMS

The definitions given in DM-DCLD-RD-DP32-5001 shall apply.

4. GENERAL REQUIREMENTS FOR CERTIFICATION

- 4.1 The process of application of applicant/client, product sampling, fees and condition for issuance of the Type 1 certificate of conformity shall be in line with the related provisions in the general rule and the standard specifications.
- 4.2 Sampling and Testing
- 4.2.1 For detailed sampling procedure - Refer to related provisions in the general rules of the scheme.
- 4.2.2 Based on the defined batch and the tests to be carried out as per clause [4.2.4], a “Sampling and testing plan” shall be prepared that will give details of the number of samples and the tests to be carried out on each selected sample. The applicant for certification shall agree to the sampling and testing plan.

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4.2.3 The sampling and testing plan shall take guidance from DM-DCLD-RD-DP32-5003 (IC) "Guidance for preparing sampling and testing plan"; and shall be prepared in such manner that will provide highest confidence that the sample represents the entire population of product being certified.

4.2.4 Test(s) to be carried out on each sample (The test shall be carried out at an independent laboratory, preferably at Dubai Central Laboratory Department DCLD):

| S/N | Properties to be Determined | Test Method | Requirements |
|-----|-----------------------------|-----------------------------|---------------------------|
| 1 | Formaldehyde | ASTM D5582 or equivalent | Max. 0.3 mg/L (0.3 µg/mL) |

5. ISSUANCE OF TYPE 1 CERTIFICATE OF CONFORMITY

5.1 The COC shall be issued based on the related provisions in the general rules.

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