Issue Date	Rev. No.	Summary Of Amendments
10-12-2005	0	First draft for comments
18-04-2006	0	Final draft
23-04-2006	1	Issue for use
16-08-2009	2	Document reference number and format is changed according to the new IMS, statement for the independent testing plan was changed, and the statement for surveillance was referred to RD-DP21-2096 (IC).
24/03/2019	3	Updated format as per new DM template and new DM logo

1. INTRODUCTION

1.1 This document prescribes the specific rules for the implementation of the DM Third Party Product Certification System Through Factory Assessment as applied to the specific product(s) identified herein, taking into consideration the applicable normative references and standard specifications.

1.2 The applicant shall comply with these specific rules, **and** to those already mentioned in the "General Rules for DM Third Party Product Certification System Through Factory Assessment"DM-DCLD-RD-DP21- 2001 (IC).

2. SCOPE

2.1 This specific rule is applicable to circular-cross-section seamless polypropylene (PP) pipes made from homopolymer polypropylene (PP-H), block copolymer polypropylene (PP-B), random copolymer polypropylene (PP-R) or random copolymer polypropylene with modified crystalline structure and elevated temperature resistance (PP-RCT).

3. PRODUCT IDENTIFICATION AND APPLICABLE STANDARD/NORMATIVE REFERENCE

3.1 Product Name: Polypropylene (PP) Pipes

3.2 Applicable standard/Normative reference: DIN 8078:2008 – Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP-RCT – General quality requirements and testing

3.3 Additional References:

3.3.1 ISO 9001:2015 - Quality Management System – Requirements
3.3.2 ISO 19011:2012 - Guidelines for Quality and Environmental Management System Auditing.

4. DEFINITION OF TERMS

In addition to the definitions given in DIN 8078**,** DM-DCLD-RD-DP21-2001 (IC), the following shall apply:

4.1 Independent Testing Laboratory - Dubai Central Laboratory (DCL) or any testing laboratory recognized by the DM Certification Body.

4.2 Independent Test – test performed or conducted by an Independent Testing Laboratory

4.3 Standard Specification – DIN 8078:2008 - Polypropylene (PP) pipes – PP-H, PP-B, PP-R, PP-RCT – General quality requirements and testing

4.4 Product Quality Assurance Plan – a document being agreed upon both by the Certified client and the certification body being used to ensure continuous compliance of the certified product.

4.5 QMS – Quality Management System aligned with the requirements of ISO 9001 Standard

5. APPLICATION

5.1 Manufacturer of polypropylene pipes shall apply to Dubai Central Laboratory through Products Conformity Assessment Section for the license to use the DCL Conformity Mark.

5.2 Application forms shall be filled-up by the applicant-company together with the following documents

5.2.1 Trade License
5.2.2 Complete Product Description and Specifications
5.2.3 Brief Description of Manufacturing Process
5.2.4 Copy of the Quality Manual – In English
5.2.5 Vicinity Map and Factory Layout
5.2.6 Valid Certification to ISO 9001 (if available)
5.2.7 List of key personnel and their designation

5.3 Separate application shall be submitted for each product type or group of products that refers to a different specific rules.

6. REQUIREMENTS FOR INITIAL FACTORY ASSESSMENT

6.1 DCL duly authorized representative(s) shall visit the applicant's factory/plant with the aim of ascertaining that the factory's quality management system is in accordance with the requirements of ISO 9001.

6.2 An independent certification to ISO 9001 issued by a QMS certification body recognized by DM shall be considered as having satisfied this requirement; however, the DM Certification Body will still carry out verification audit to confirm that the factory is in compliance with the QMS requirements.

6.3 Verification audit shall be conducted by designated audit team based on ISO 19011 – Guidelines for Quality and Environment Management System Auditing.

6.4 Minimum Required Test Equipments

The manufacturer of polypropylene pipe produced as per standard specification shall have the following minimum test equipment to check product compliance with the requirements of standard specification.

6.4.1 Calipers, tape measure and other linear measuring test equipments
6.4.2 Pressure tester
6.4.3 Impact tester
6.4.4 Oven for heat reversion

7. REQUIREMENTS FOR INITIAL TESTING OF THE PRODUCT

7.1 Sampling

7.1.1 Three sets of samples per size per product type shall be taken randomly. The first set shall be tested in the plant supervised by a duly authorized DCLD-PCAS representative, the second set will be sent to independent testing laboratory. The third set will be kept by the manufacturer as

reference samples for future use.

7.1.2 Test sample(s) for independent test shall be packed/sealed and signed in the presence of DCLD-PCAS representatives and shall be submitted to an independent testing laboratory by the DCLD-PCAS representatives.

7.2 Product Evaluation and Testing

7.2.1 The product shall conform to the requirements as specified in section 4 the standard specification, DIN 8078.

7.2.2 The tests to be carried out in accordance with DIN 8078 shall be as follows;

7.2.2.1 Surface condition as per clause 5.1
7.2.2.2 Dimensions as per clause 5.2
7.2.2.3 Ovality as per clause 5.3
7.2.2.4 Long-term hydrostatic strength test as per clause 5.4
7.2.2.5 Impact strength test as per clause 5.5
7.2.2.6 Heat reversion as per clause 5.6

7.2.3 Independent tests shall only be conducted if the result of the in-plant test shows satisfactory results.

7.2.4 If the result of any test conducted by the independent testing laboratory shows non-conformance to the specified requirements, the retest shall be carried out on the reference sample kept by the manufacturer, or on new samples collected by DM Certification Body, in which full testing shall be carried out, if necessary.

7.2.5 If the retest passed, the initial product assessment is considered conforming to product specification. If not, the manufacturer will be advised to take corrective action.

7.2.6 Only after reassessment and subsequent product compliance shall the manufacturer be allowed to use the DCL Conformity Mark.

7.2.12 All test results shall be held strictly confidential by the independent testing laboratory concerned. Copies of the results will be provided only to the DCLD-PCAS and the manufacturer.

8. COMPLIANCE AND RESPONSIBILITIES OF THE CERTIFIED CLIENT

8.1 Compliance

8.1.1 When the results of the factory and product assessments show conformity to the requirements specified in the General Rules and Specific Rules, the Certificate of Product Conformity and authorization to use the DCL Mark shall be issued to the manufacturer for the type(s)/model(s)/brand(s) of the product tested.

8.1.2 The factory shall agree with the DM Certification Body for the preparation and implementation of a product quality assurance plan to ensure continuing compliance with the standard specification and the requirements of this certification scheme. The plan shall consist of (1) an internal product quality assurance, and (2) an independent testing plan

8.1.2.1 Internal product quality assurance plan

The factory shall prepare and submit to DCLD-PCAS for approval an internal product quality assurance plan giving details of the tests to be carried out at the factory. This will include as a minimum, the following details: (1) location of sampling; (2) frequency of sampling (3) quantities of samples; (4) tests to be carried out; (5) results acceptance criteria; and (6) responsible person to carry out the activity.

The plan shall take into consideration the production process, the volume of production, the criticality of the test to be specified, and other relevant factors

8.1.2.2 Independent testing plan

The factory shall agree to an independent testing plan to be carried out on samples which are collected in accordance with DM-DCLD-RD-DP21-2096 (IC) – Surveillance of Licensed Establishments under the Factory Assessment Scheme, and implemented by the DM Certification Body.

8.2 Responsibilities of the Certified client

8.2.1 The certified client shall ensure that his product, for which a license has been issued, conforms at all times to the requirements of the General Rules and Specific Rules and shall maintain to the satisfaction of DCL, a system of quality control including inspection and testing.

8.2.2 The certified client shall give the duly authorized representative(s) of DCL, access during working hours, without prior notification, to the premises of the factory where certified product is manufactured, for the purpose of evaluating the materials, production processes, finished products, quality assurance facilities, records and others in accordance with the requirements of the scheme.

8.2.3 The certified client shall inform the DM Certification Body in writing of any change of management, transfer of plant site, modification in the product, manufacturing process or factory's quality management system.

8.2.4 Upon transfer of plant site, the license shall be deemed valid only after factory and product audit at the new site has been satisfactorily completed.

8.2.5 Any infraction stated in the Terms and Conditions of the certification scheme and the use of DCL Conformity Mark shall constitute sufficient grounds for suspension, withdrawal and cancellation of the license against a certified client.

8.2.6 Any dispute that may arise in connection with the Terms and Conditions of the certification scheme shall be settled in accordance with the General Rule for DM Third Party Product Certification System through Factory Assessment.

9. SURVEILLANCE

DM Certification Body shall carry out periodic surveillance to ensure consistent compliance with the requirements of this certification scheme as per DM-DCLD-RD-DP21-2096 (IC) – Surveillance of Licensed Establishments under the Factory Assessment Scheme.

10. USE OF THE DCL CONFORMITY MARK

10.1 The design and use of the DCL Conformity Mark shall be in accordance with the Terms and Conditions for the Use of the DCL Mark of Conformity, DM-DCLD-IMS-RD-13.

10.2 The certified client shall submit a product-marking proposal for approval by the DM Certification Body. The proposal shall include drawings and/or diagrams showing the location and size of the marking for each size of the product container.

10.3 The license to use the DCL Conformity Mark is non-transferable.

11. FEE SCHEDULE

11.1 The certified client shall pay the applicable fees and charges related to the granting of the license to use the DCL Conformity Mark based on the DCL Official Fee Structure, DM-DCLD-RD-DP21-2074 (IC).

11.2 The fees for this certification scheme shall include but not limited to the following;

11.2.1 Application Fee
11.2.2 Initial Assessment Fee
11.2.3 Certification Fee
11.2.4 Surveillance Fee
11.2.5 Annual Renewal Fee
11.2.6 Testing Fee
11.2.7 Marking Fee