

# CERTIFICATE

## for Material Manufacturer

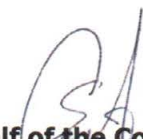
|  |  |
|--|--|
| <b>Manufacturer (name &amp; address):</b>      | <b>MCV PIPES &amp; FITINGS TRADING L.L.C</b><br>Atelier Business Center 19th Floor, 1902 Al Ameri Tower Al Barsha Height, Tecom P.O. Box 391960, Dubai, UAE  |
| <b>Manufacturing plant (s):</b>                | <b>MCV PIPES &amp; FITINGS TRADING L.L.C</b><br>Address1: Atelier Business Center 19th Floor, 1902 Al Ameri Tower Al Barsha Height, Tecom P.O. Box 391960, Dubai, UAE<br>Address2: Hope New District, Mengcun Hui Autonomous County, Cangzhou City, Hebei Province, P.R. China |
| <b>Requirements and Standard (s):</b>          | Directive 2014/68/EU, Annex I, Par 4.3<br>Pressure Equipment Directive (PED)   |
| <b>Certificate is valid for 3 years until:</b> | 14/04/2029<br><i>Note: Certificate is valid for a period of three (3) years, provided that interim surveillance audits are successfully conducted at least on an annual basis.</i>   |
| <b>Inspection Report No:</b>                   | CHTPI564R-260420   |
| <b>Range of materials:</b>                     | <b>Flanges and Pipe Fittings (Tee, Cross, Elbow, Reducer, Cap, Stub End)</b> - Refer to <i>Annex I</i> for details   |

**ERGOCERT HELLAS S.A.** as a Third Party Certification Body, hereby certifies that the material manufacturer has established and applies a Quality Assurance System in accordance with the European Pressure Equipment Directive 2014/68/EU, Annex I, Paragraph 4.3, with regard to the materials as listed on the attached Annex I.

- This certificate may be quoted on the EN 10204 Type 3.1 certificate issued by the manufacturer to accompany the product listed on this certificate.
- The validity of the certificate is in conjunction with a valid manufacturer's certification in accordance with ISO 9001: 2015 related to production of materials for pressure equipment scope.
- This Certificate reflects findings during inspection in time and place only for the product and configuration described hereby.

  
**Inspector**  
Lu Ningyuan



  
**On behalf of the Company**  
Spiros Liakos

# CERTIFICATE

## for Material Manufacturer

### ANNEX I

#### TABLE OF MATERIALS

| Product          | Flanges   |                          |                           |
|------------------|---|--------------------------|---------------------------|
| <b>Standards</b> | EN 1092-1, BS 4504, BS 10, ASME B16.5, ASME B16.47, ASME B16.48, MSS SP-44, DIN 86044, AWWA C207, HG/T 20592~20635, SH/T 3406, GB/T 9124, GB/T 9115, GB/T 13402 |                          |                           |
| <b>Material</b>  | <b>Material Grade</b>   | <b>Material Standard</b> | <b>Flanges Dimension</b>  |
|                  | A105, A105N   | ASTM A105                | DN15(1/2") ~ DN3600(144") |
|                  | F304, F304L, F304H, F316, F316L, F316H, F316N, F321, F321H, F347, F347H, F310, F310H, F317, F317L, F44, F904L, F51, F53, F60, F12, F22, F11, F5, F9             | ASTM A182                | DN15(1/2") ~ DN3600(144") |
|                  | LF1, LF2, LF3, LF4, LF5, LF6  | ASTM A350                | DN15(1/2") ~ DN3600(144") |
|                  | F42, F46, F48, F50, F51, F52, F53, F56, F60, F65, F70   | ASTM A694                | DN15(1/2") ~ DN3600(144") |
|                  | ST37.2  | DIN 17100                | DN15(1/2") ~ DN3600(144") |
|                  | C22.8   | DIN 17243                | DN15(1/2") ~ DN3600(144") |
|                  | P245GH, P250GH, P280GH, 16Mo3, 14CrMo4-5  | EN 10222-2               | DN15(1/2") ~ DN3600(144") |
|                  | X6CrNiTi18-10, X5CrNiMo17-12-2, X2CrNi18-9, X5CrNi18-10, X2CrNiMo17-12-2  | EN 10222-5               | DN15(1/2") ~ DN3600(144") |
|                  | L7C, L1, B8, B8LN   | ASTM A320                | DN15(1/2") ~ DN3600(144") |
|                  | Gr.1, Gr.2, Gr.3, Gr.4  | ASTM A266                | DN15(1/2") ~ DN3600(144") |
|                  | Q245R, Q345R, 12Cr1MoVR, 12Cr2Mo1R15CrMoR, 14Cr1MoR, Q370R  | GB/T 713                 | DN10 ~ DN2000             |
|                  | Q235A, Q235B, 20  | GB/T 700<br>GB/T 711     | DN10 ~ DN2000             |
|                  | 16MnDR, 09MnNiDR  | GB/T 3531                | DN10 ~ DN2000             |
|                  | 06Cr19Ni10, 022Cr19Ni10, 06Cr18Ni11Ti, 06Cr17Ni12Mo2, 022Cr17Ni12Mo2, 06Cr18Ni11Nb  | GB/T 4237                | DN10 ~ DN2000             |
|                  | 20#, 16Mn, 15CrMo, 12Cr1MoV, 12Cr2Mo1, 20MnMo, 12Cr5Mo, 35CrMo, 10Cr9Mo1VNbN  | NB/T 47008               | DN10 ~ DN1000             |
|                  | 16MnD, 20MnMoD, 09MnNiD, 08MnNiCrMoVD   | NB/T 47009               |                           |
|                  | 06Cr19Ni10/S30408, 022Cr19Ni10/S30403, 06Cr17Ni12Mo2/S31608, 022Cr17Ni12Mo2/S31603, 06Cr18Ni11Ti/S32168, 07Cr18Ni11Nb/S34779                                    | NB/T 47010               |                           |

# CERTIFICATE

## for Material Manufacturer

|                  |  |                          |                           |
|------------------|--|--------------------------|---------------------------|
| <b>Product</b>   | <b>Pipe Fittings (Tee, Cross, Elbow, Reducer, Cap, Stub End)</b>   |                          |                           |
| <b>Standards</b> | ASTM A234, ASTM A350, ASTM A335, EN 10253-2, EN 10253-3, EN 10253-4, ASTM A420, ASTM A860, ASTM A403, ASME B16.9, ASME B16.11, MSS SP-97, GB/T 12459, GB/T 13401, SH/T 3408, SH/T 3410, DL/T 695, GB/T 14383, GB/T 35072 |                          |                           |
| <b>Material</b>  | <b>Material Grade</b>  | <b>Material Standard</b> | <b>Fitting Dimension</b>  |
|                  | WPB, WPC, WP91, WP11 CL1, WP22 CL1   | ASTM A234                | DN15(1/2") ~ DN3600(144") |
|                  | LF2  | ASTM A350                | DN15(1/2") ~ DN3600(144") |
|                  | P5, P9, P12, P91   | ASTM A335                | DN15(1/2") ~ DN3600(144") |
|                  | WPL3, WPL6, WPL8, WPL9   | ASTM A420                | DN15(1/2") ~ DN3600(144") |
|                  | WPHY 42, WPHY 46, WPHY 52, WPHY 60, WPHY 65, WPHY 70   | ASTM A860                | DN15(1/2") ~ DN3600(144") |
|                  | 304, 304L, 304H, 316, 316L, 316H, 316N, 321, 321H, 347, 347H, 310S, 310H, 317, 317L  | ASTM A403                | DN15(1/2") ~ DN3600(144") |
|                  | CF370, CF415, CF415K, CF485, CF485K, AF11, AF11G, AF12, AF12G, AF14, AF22, AF22G, AF5, AF5G, AF9, AF9G, AF91, LF415K2, LF485K2, LF450K3, SF304, SF304L, SF316, SF316L, SF321, SF2225, SF2205, SF2507                     | GB/T 13401               | DN15(1/2") ~ DN1500(60")  |
|                  | 20, 16Mn, 15CrMo, 12Cr1MoV, 12Cr2Mo1, 20MnMo, 12Cr5Mo, 10Cr9Mo1VNbN  | NB/T 47008               | DN6 ~ DN100               |
|                  | 16MnD, 20MnMoD, 09MnNiD, 08MnNiCrMoVD  | NB/T 47009               | DN6 ~ DN100               |
|                  | 06Cr19Ni10/S30408, 022Cr19Ni10/S30403, 06Cr17Ni12Mo2/S31608, 022Cr17Ni12Mo2/S31603, 06Cr18Ni11Ti/S32168, 07Cr18Ni11Nb/S34779   | NB/T 47010               | DN6 ~ DN100               |
|                  | P235GH, X10CrMoVNb9-1, 13CrMo4-5, 10CrMo9-10   | EN 10253-2               | DN15(1/2") ~ DN3600(144") |
|                  | X6CrNiTi18-10  | EN 10253-3               | DN15(1/2") ~ DN3600(144") |

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# INSPECTION REPORT



**ERGOCERT HELLAS S.A.**  
AUDITS · INSPECTIONS · CERTIFICATIONS

Report No: CHTPI564R-260420

Date of issue: 20/04/2026

|                                       |   |   |                      |                           |
|---------------------------------------|---|---|----------------------|---------------------------|
| <b>Client / Holder</b>                | : MCV PIPES & FITINGS TRADING L.L.C<br>Address1: Atelier Business Center 19th Floor, 1902 Al Ameri Tower Al Barsha Height, Tecom P.O. Box 391960, Dubai, UAE<br>Address2: Hope New District, Mengcun Hui Autonomous County, Cangzhou City, Hebei Province, P.R. China |   |                      |                           |
| <b>Inspection type</b>                | : Initial audit of certification of PED 2014/68/EU, Annex I, Par 4.3 certificate for Material Manufacturer  |   |                      |                           |
| <b>Place of inspection</b>            | : Cangzhou, China   |   |                      |                           |
| <b>Project</b>                        | : Flanges and Pipe Fittings (Tee, Cross, Elbow, Reducer, Cap, Stub End)   |   |                      |                           |
| <b>Scope of inspection</b>            | Product   | Material Grade  | Material Standard    | Dimension                 |
|                                       | Flanges   | A105, A105N   | ASTM A105            | DN15(1/2") ~ DN3600(144") |
|                                       |   | F304, F304L, F304H, F316, F316L, F316H, F316N, F321, F321H, F347, F347H, F310, F310H, F317, F317L, F44, F904L, F51, F53, F60, F12, F22, F11, F5, F9 | ASTM A182            | DN15(1/2") ~ DN3600(144") |
|                                       |   | LF1, LF2, LF3, LF4, LF5, LF6  | ASTM A350            | DN15(1/2") ~ DN3600(144") |
|                                       |   | F42, F46, F48, F50, F51, F52, F53, F56, F60, F65, F70   | ASTM A694            | DN15(1/2") ~ DN3600(144") |
|                                       |   | ST37.2  | DIN 17100            | DN15(1/2") ~ DN3600(144") |
|                                       |   | C22.8   | DIN 17243            | DN15(1/2") ~ DN3600(144") |
|                                       |   | P245GH, P250GH, P280GH, 16Mo3, 14CrMo4-5  | EN 10222-2           | DN15(1/2") ~ DN3600(144") |
|                                       |   | X6CrNiTi18-10, X5CrNiMo17-12-2, X2CrNi18-9, X5CrNi18-10, X2CrNiMo17-12-2  | EN 10222-5           | DN15(1/2") ~ DN3600(144") |
|                                       |   | L7C, L1, B8, B8LN   | ASTM A320            | DN15(1/2") ~ DN3600(144") |
|                                       |   | Gr.1, Gr.2, Gr.3, Gr.4  | ASTM A266            | DN15(1/2") ~ DN3600(144") |
|                                       |   | Q245R, Q345R, 12Cr1MoVR, 12Cr2Mo1R15CrMoR, 14Cr1MoR, Q370R  | GB/T 713             | DN10 ~ DN2000             |
|                                       |   | Q235A, Q235B, 20  | GB/T 700<br>GB/T 711 | DN10 ~ DN2000             |
|                                       |   | 16MnDR, 09MnNiDR  | GB/T 3531            | DN10 ~ DN2000             |
|                                       |   | 06Cr19Ni10, 022Cr19Ni10, 06Cr18Ni11Ti, 06Cr17Ni12Mo2, 022Cr17Ni12Mo2, 06Cr18Ni11Nb  | GB/T 4237            | DN10 ~ DN2000             |
|                                       |   | 20#, 16Mn, 15CrMo, 12Cr1MoV, 12Cr2Mo1, 20MnMo, 12Cr5Mo, 35CrMo, 10Cr9Mo1VNbN  | NB/T 47008           | DN10 ~ DN1000             |
| 16MnD, 20MnMoD, 09MnNiD, 08MnNiCrMoVD |   | NB/T 47009  |                      |                           |



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|                               |  |  |            |                              |
|-------------------------------|--|--|------------|------------------------------|
|                               |  | 06Cr19Ni10/S30408,<br>022Cr19Ni10/S30403,<br>06Cr17Ni12Mo2/S31608,<br>022Cr17Ni12Mo2/S31603,<br>06Cr18Ni11Ti/S32168,<br>07Cr18Ni11Nb/S34779  | NB/T 47010 |                              |
|                               | Pipe<br>Fittings<br>(Tee,<br>Cross,<br>Elbow,<br>Reducer<br>, Cap,<br>Stub<br>End) | WPB, WPC, WP91, WP11 CL1,<br>WP22 CL1  | ASTM A234  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | LF2  | ASTM A350  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | P5, P9, P12, P91   | ASTM A335  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | WPL3, WPL6, WPL8, WPL9   | ASTM A420  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | WPHY 42, WPHY 46, WPHY 52,<br>WPHY 60, WPHY 65, WPHY 70  | ASTM A860  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | 304, 304L, 304H, 316, 316L, 316H,<br>316N, 321, 321H, 347, 347H, 310S,<br>310H, 317, 317L  | ASTM A403  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | CF370, CF415, CF415K, CF485,<br>CF485K, AF11, AF11G, AF12,<br>AF12G, AF14, AF22, AF22G, AF5,<br>AF5G, AF9, AF9G, AF91, LF415K2,<br>LF485K2, LF450K3, SF304,<br>SF304L, SF316, SF316L, SF321,<br>SF2225, SF2205, SF2507   | GB/T 13401 | DN15(1/2") ~<br>DN1500(60")  |
|                               |  | 20, 16Mn, 15CrMo, 12Cr1MoV,<br>12Cr2Mo1, 20MnMo, 12Cr5Mo,<br>10Cr9Mo1VNbN  | NB/T 47008 | DN6 ~ DN100                  |
|                               |  | 16MnD, 20MnMoD, 09MnNiD,<br>08MnNiCrMoVD   | NB/T 47009 | DN6 ~ DN100                  |
|                               |  | 06Cr19Ni10/S30408,<br>022Cr19Ni10/S30403,<br>06Cr17Ni12Mo2/S31608,<br>022Cr17Ni12Mo2/S31603,<br>06Cr18Ni11Ti/S32168,<br>07Cr18Ni11Nb/S34779  | NB/T 47010 | DN6 ~ DN100                  |
|                               |  | P235GH, X10CrMoVNb9-1,<br>13CrMo4-5, 10CrMo9-10  | EN10253-2  | DN15(1/2") ~<br>DN3600(144") |
|                               |  | X6CrNiTi18-10  | EN10253-3  | DN15(1/2") ~<br>DN3600(144") |
| <b>Requirements Standards</b> | / :  | EN 10204: 2004<br>Flanges: EN 1092-1, BS 4504, BS 10, ASME B16.5, ASME B16.47, ASME B16.48, MSS SP-44, DIN 86044, AWWA C207, HG/T 20592~20635, SH/T 3406, GB/T 9124, GB/T 9115, GB/T 13402<br>Pipe Fittings (Tee, Cross, Elbow, Reducer, Cap, Stub End): ASTM A234, ASTM A350, ASTM A335, EN 10253-2, EN 10253-3, EN 10253-4, ASTM A420, ASTM A860, ASTM A403, ASME B16.9, ASME B16.11, MSS SP-97, GB/T 12459, GB/T 13401, SH/T 3408, SH/T 3410, DL/T 695, GB/T 14383, GB/T 35072. |            |                              |
| <b>Date of inspection</b>     | :  | 15/04/2026   |            |                              |




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**ERGOCERT HELLAS S.A.**  
AUDITS·INSPECTIONS·CERTIFICATIONS

Report No: CHTPI564R-260420

Date of issue: 20/04/2026

|                           |  |
|---------------------------|--|
| <b>Inspection summary</b> | <p><b>Review:</b></p> <ul style="list-style-type: none"><li>· quality manual and procedure documents</li><li>· ISO 9001 certificate and audit report</li><li>· work instruction</li></ul> <p><b>Check:</b></p> <ul style="list-style-type: none"><li>· internal audit report</li><li>· management review report</li><li>· technical drawings</li><li>· product standards</li><li>· manufacture records</li><li>· inspection records</li><li>· EN 10204 Type 3.1 material certificates</li><li>· calibration certificates.</li></ul> <p>MCV PIPES &amp; FITINGS TRADING L.L.C appointed ERGOCERT HELLAS S.A. for the material certification of the Raw material manufacturer.</p> <p>All the inspection works are based on the Annex I paragraph 4.3 of Pressure Equipment Directive 2014/68/EU &amp; the products standards provided by the manufacturer.</p> <p>The overall audit target (as specified in the plan) was achieved. The documented system management conformity was measured through highly qualified process. Further, client's activity was compared with standard requirements. It was confirmed that the organization's MS is capable to meet the applicable requirements of the relevant standard(s) and directive.</p> <p>The organization meets and appropriately implements the applicable MS requirements, and can ensure the continued provision of this service or products in conformity to customer requirements and relevant laws and regulations in order to increase customer satisfaction.</p> <p>It is recommended to issue the PED 2014/68/EU, Annex I, Par 4.3 certificate for Material Manufacturer.</p> |
| <b>Inspection result</b>  | <p><input checked="" type="checkbox"/> satisfactory <input type="checkbox"/> partial non-conforming <input type="checkbox"/> rejected</p>  |
| <b>Photos</b>             | <p><input type="checkbox"/> no photos <input checked="" type="checkbox"/> attached (as below)</p>    |



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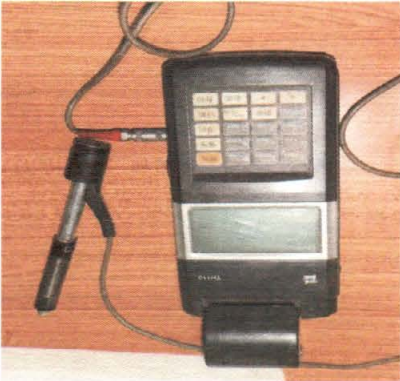

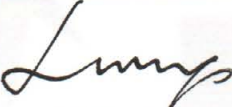

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|   |   |
|---|---|
|   | <br><br> |
| <b>Inspector's name &amp; signature</b> | :<br><br>Lu Ningyuan<br>   |

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