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| **项目名称****Project Name** | **ME甲醇项目****MKP Methanol Project** | **报告号****Report No.** | **CAPTCC-CT16002093 -IR01** |
| **客户****Client** | **中国天辰工程有限公司****China Tianjin Engineering Corporation (TCC)** | **客户订单号****Client P.O. No.** |  |
| **检验通知号****Reference No.** | **MKP-11-DE-9000-FE- REQ-402-13-Rev.1** | **检验员****Inspector** | **Pan guohua** |
| **制造商****Vendor** | **Jiangyin Zhongnan Heavy Industries Co.,Ltd** | **检验地址****Inspection Location** | **No.3 Zhongnan Road,Jiangyin City,China** |
| **分包商****Sub-Vendor** | **NA** | **检验日期****Visit Date(s)** | **Jul.26th to 27th, 2018** |

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| **本次检验参与人员****THE PARTICIPANTS OF THIS VISIT** |
| **姓名****NAME** | **公司****COMPANY** | **代表方****REPRESENTING** | **联系方式****CONTACT NO.** |
| **Zhou Libo**  | **Zhongnan** | **Zhongnan** | **15861471100** |
| **Han yuhong** | **IEI** | **IEI** | **13916128660** |
| **Pan guohua** | **TCC** | **TCC** | **13585001182** |

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| **本次检验产品****MATERIAL/ SUBJECT OF INSPECTION** | **编号****Item No.** | **订单数量****QTY as per P/O** | **所检数量****QTY offered for inspection** |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 12" S-20 内弧最小壁厚：7.30 | I9882928 | 2 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 14" S-20 内弧最小壁厚：9.11 | I9882982 | 2 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 14" S-30 内弧最小壁厚：10.96 | I22139664 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type W , 16" S-20 内弧最小壁厚：9.11 | I10146263 | 3 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 16" S-30 内弧最小壁厚：10.96 | I22139674 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 16" S-80 内弧最小壁厚：24.66 | I9883040 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 12" S-80 内弧最小壁厚：20.1 | I9882935 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 14" S-80 内弧最小壁厚：21.91 | I9882989 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 18" S-80 内弧最小壁厚：27.41 | I9883089 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type W , 18" S-20 内弧最小壁厚：9.11 | I10146312 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" S-20 内弧最小壁厚：7.30 | I9883491 | 2 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 2" S-40 内弧最小壁厚：4.50 | I16186206 | 10 | 1 |
| Cap, ASTM A105, FTE, CL 3000, ASME B16.11 , 0.75" | I4318525 | 6 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 24" x 10" S-20 x S-20 | I5792300 | 1 | 1 |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 10" x 6" S-20 x S-40 | I9875919 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" S-20 内弧最小壁厚：6.99 | I9883491 | 5 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 10" x 0.75" | I11310839 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 2" x 0.75" | I11310934 | 2 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 2" x 1.5" | I11310937 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 24" x 0.75" | I11310998 | 7 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 24" x 1.5" | I11311001 | 2 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 28" x 0.75" | I11311047 | 6 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 28" x 1.5" | I11311050 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 3" x 0.75" | I11311073 | 2 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 6" x 0.75" | I11311633 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 8" x 0.75" | I11311868 | 8 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 2" S-40 内弧最小壁厚：4.30 | I16186206 | 8 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 3" S-40 内弧最小壁厚：6.04 | I16186313 | 4 | 1 |
| 45 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 4" S-40 内弧最小壁厚：6.62 | I16186639 | 2 | 1 |
| Con. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 4" x 2" S-40 x S-40 | I17447301 | 3 | 1 |
| Con. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" x 4" S-20 x S-40 | I17447702 | 2 | 1 |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 3" x 2" S-40 x S-40 | I17449312 | 1 | 1 |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 4" x 2" S-40 x S-40 | I17449557 | 2 | 1 |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" x 4" S-20 x S-40 | I17449958 | 2 | 1 |
| Con. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" x 4" S-40 x S-40 | I19797515 | 2 | 1 |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" x 4" S-40 x S-40 | I19820884 | 2 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 8" S-40 内弧最小壁厚：9.00 | I19837715 | 7 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 24" x 2" S-20 x S-40 | I22487767 | 2 | 1 |
| Nipple, ASTM A106-B, PE x MTE, ASME B36.10M, 4" Long , SMLS , 0.75" S-80 | I29764043 | 2 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 28" x 2" S-STD x S-40 | I29767629 | 4 | - |
| Red. Tee, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 14" x 10" S-20 x S-20 | I30086899 | 1 | - |
| Con. Swage, ASTM A234 Grade WPB, BLE x PSE, MSS SP-95, SMLS , 3" x 1" S-40 x S-80 | I30339840 | 3 | 1 |
| Ecc. Swage, ASTM A234 Grade WPB, BLE x PSE, MSS SP-95, SMLS , 3" x 1" S-40 x S-80 | I30341613 | 2 | 1 |
| Red. Tee, ASTM A234 Grade WPB, BE, ASME B16.9, Type W , 28" x 24" S-STD x S-20 | I20079882 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 12" x 0.75" | I11310856 | 1 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 12" x 4" S-20 x S-40 | I22485533 | 1 | - |
| Weldolet, ASTM A105, BE, MSS SP-97 , 30" x 8" S-STD x S-20 | I8373551 | 4 | - |
| Weldolet, ASTM A105, BE, MSS SP-97 , 36" x 6" S-STD x S-40 | I29768482 | 1 | - |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 12" x 0.75" | I11310856 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 14" x 0.75" | I11310874 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 6000, MSS SP-97 , 16" x 0.75" | I11325033 | 1 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 16" x 4" S-20 x S-40 | I37408863 | 4 | 1 |
| Cplg., ASTM A105, SW, CL 6000, ASME B16.11 , 1" | I4320654 | 2 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 20" x 12" S-20 x S-20 | I5920045 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 10" x 1.5" | I11310842 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 12" x 1.5" | I11310859 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 4" x 1" | I11311242 | 1 | 1 |
| 90 Deg. Elbow, ASTM A105, FTE, CL 3000, ASME B16.11, Galvanized , 1" | I13548270 | 1 | 1 |
| Red. Tee, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 4" x 2" S-40 x S-40 | I19828399 | 1 | 1 |
| 90 Deg. LR Elbow, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 3" S-80 内弧最小壁厚：9.11 | I23235276 | 4 | 1 |
| 90 Deg. Elbow, ASTM A105, SW, CL 3000, ASME B16.11 , 0.75" | I25443767 | 9 | 1 |
| 90 Deg. Elbow, ASTM A105, SW, CL 3000, ASME B16.11 , 1" | I25443768 | 2 | - |
| 90 Deg. Elbow, ASTM A105, SW, CL 3000, ASME B16.11 , 1.5" | I25443770 | 2 | - |
| 45 Deg. Elbow, ASTM A105, SW, CL 3000, ASME B16.11 , 0.75" | I25443773 | 1 | - |
| Red. Tee, ASTM A105, SW, CL 3000, ASME B16.11 , 1" x 0.75" | I25443786 | 1 | 1 |
| Cplg., ASTM A105, SW, CL 3000, ASME B16.11 , 0.75" | I25443800 | 1 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , 8" x 4" S-20 x S-40 | I29769622 | 4 | 1 |
| Ecc. Swage, ASTM A234 Grade WPB, BLE x PSE, MSS SP-95, SMLS , 2" x 1" S-80 x S-160 | I30352307 | 2 | 1 |
| 90 Deg. Elbow, ASTM A105, SW, CL 3000, ASME B16.11 , 1.5" | I25443770 | 2 | - |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , 14" x 8" S-20 x S-20 | I9876222 | 1 | - |
| Ecc. Reducer, ASTM A234 Grade WPB, BE, ASME B16.9, Type W , 16" x 10" S-20 x S-20 | I18856039 | 2 | - |
| Con. Reducer， ASTM A234 Grade WPB， BE， ASME B16.9， Type W， PE Coated Externally ， 24“ x 20“ S-20 x S-20 | I30109215 | 1 | 1 |
| Cap, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , DN150 S-80 | I23245536 | 1 | 1 |
| Sockolet, ASTM A105, SW, CL 3000, MSS SP-97 , 3" x 1.5" | I11311076 | 1 | 1 |
| Weldolet, ASTM A105, BE, MSS SP-97 , DN350 x DN80 S-30 x S-40 | I28491799 | 1 | 1 |
| 90 Deg. Elbow 1D, ASTM A234 Grade WPB, BE, ASME B16.9, Type S , DN450 S-80 内弧最小壁厚：29.79 | I29567283 | 4 | 1 |
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| **适用文件 参考附件****REFERENCE DOCUMENTATION Refer to attachments instead** |
| **标题****Title** | **文件编号****Reference No** | **版本****Rev.** | **批准状态****Approval status** | **批准人****Approved by** | **日期****Date** |
| **ITP for Seamless Metallic Fittings** | **MKP-VD-9000-402A-003-A4** | **0** | **Approved** | **Pan Heqinng** | **08-18-2017** |
| **ITP for Welded Metallic Fittings** | **MKP-VD-9000-402A-004-A4** | **0** | **Approved** | **Pan Heqinng** | **08-17-2017** |

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| **ITP 相关****REFERENCE ITP** |
| **序号****S/N** | **设备名称****Equipment/material** | **检验项目****Inspection Activity (detail according to scope /standard/etc.)** | **检验等级****Inspection Level H/W/SW/R** | **相关文件****Relevant document** |
| **3.8** |  | **Visual & dimension inspection** | **W** | **ITP** |
| **3.9** |  | **Marking** | **W** | **ITP** |
| **3.10** |  | **Packing** | **W** | **ITP** |
| **5.0** |  | **Final inspection/ Shipment** | **W** | **ITP** |
| **3.11** |  | **Visual & dimension inspection** | **W** | **ITP** |
| **3.12** |  | **Marking** | **W** | **ITP** |
| **3.13** |  | **Packing** | **W** | **ITP** |
| **5.0** |  | **Final inspection/ Shipment** | **W** | **ITP** |

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| **检验结果****INSPECTION RESULT** |
| **合格****[ ] Satisfactory****(without comments)** | **假释****[ ] Satisfactory with comments****(Any of trailing punch or non-conformity items is still open)** | **不合格****[ ] Not Satisfactory****(NCR raised during the inspection)** |
| **检验概述：****Inspection Summary:****Visual & dimension inspection The results found satisfied.** **Marking check The results found satisfied.****The packing is not finished.****Final inspection/ Shipment not finished.****The document has not been audited.** |
| **不符合项****Open Non Conformities** | **是，详见不符合项表格****[ ] Yes, details in non-conformities** | **无****[x] No** |
| **尾项清单****Open Punch List Items** | **是,详见尾项情单表格****[x] Yes, details in punch list** | **无****[ ] No** |
| **检验员签名****Inspector signature** | **Macintosh HD:Users:mac:Documents:文档:签名.jpg** | **报告日期****Inspection report date** | **Jul 27th 2018** |

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| **不符合项 参考附件****NON CONFORMITIES** **[ ] Refer to attachments instead** |
| **项目****Item** | **描述****Description** | **状态****Status** | **提出日期/报告号****Raised on/ Report #** | **关闭日期/报告号****Closed on/ Report #** | **备注****Comments**  |
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| **尾项清单 参考附件****PUNCH LIST** **[ ] Refer to attachments instead** |
| **项目****Item** | **描述****Description** | **状态****Status** | **提出日期/报告号****Raised on/ Report #** | **关闭日期/报告号****Closed on/ Report #** | **备注****Comments**  |
| **ITP 5.0** | **Final inspection/ Shipment not finished.** | **open** | **Jul 27th 2018** | **CAPTCC-CT16002093 -IR01** |  |  |  |
|  | **The document has not been audited** | **open** | **Jul 27th 2018** | **CAPTCC-CT16002093 -IR01** |  |  |  |
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| **检验项目****THE ITEMS OF INSPECTION** |
| **预检会****Pre-inspection Meeting**  | **[ ]**  | **材料检验****Material Inspection** | **[ ]**  | **数量检查****Quantity Check** | **[x]**  |
| **外观检验****Visual Inspection** | **[x]**  | **尺寸检验****Dimension Inspection** | **[x]**  | **试验见证****Test Witness** | **[ ]**  |
| **防腐检验****Coating Inspection** | **[ ]**  | **文件审核****Documents Review** | **[x]**  | **包装标识检验****Packing & Marking Inspection** | **[x]**  |
| **装车/船检验****Loading Inspection** | **[ ]**  | **其他****Others** | **[ ]**  |

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| **检验详述****INSPECTION DETAILS** |
| **检验活动如下：****Description of the inspections carried out:*** 1. 材料检验MATERIALS INSPECTION

**NA*** 1. 数量检查QUANTITY CHECK
* According to the list provided by the factory, the inspector checked the result of quantity.
	1. 外观检验VISUAL INSPECTION
* The inspector inspecting the appearance of the pipe visually, and found no defects such as pits, damages, stains, etc. the result is acceptable.
* All fittings are protected by plastic protectors, and the results are acceptable.
* The black steel antirust paint on the surface of the carbon steel pipe is acceptable.
	1. 尺寸检验DIMENTION INSPECTION
* The inspector checked the size of the fittings according to the drawings supplied by the factory, and the results were acceptable.
* Before checking, the inspector checked the valid certificate of the measuring tool, and the result was within the validity period.
	1. 防腐检验COATING INSPECTION

 NA* 1. 功能试验FUNCTIONAL AND PERFORMANCE TEST

 NA* 1. 特殊程序SPECIAL PROCESSES

 NA* 1. 包装和标识检验PACKING AND MARKING INSPECTION
* All box are made of export adhesive boards, which meet the requirements of ISPM15 standard.
* The box is coated with lifting, waterproof, weight and shipping marks. The box is wrapped in iron for 4 weeks, the result is acceptable.
* All fittings are wrapped in plastic film in wooden cases, and the results are acceptable.
* 4Pcs wooden tray, 2 plastic sealing marks and packing list. 2 Pcs small wooden box outside each 1 plastic seal mark and packing list, 1 marks and packing list in the box. the result is acceptable.
* 5 Pcs wooden box does not have shipping mark information.
	1. 装车/装船检验 LOADING INSPECTION

 NA* 1. 文件审查 DOCUMENTATION REVIEW
* Due to the time relationship, the document is not audited.
	1. 放行/不符合项 RELEASE/NON-COMFORMANCE
	2. 健康安全/HEALTH AND SAFE
* Health & safety is in good condition, no accidents were occurred during this visit.
	1. 附件/ATTACHMENTS

Attachment 1 CAPTCC-CT16002093-PhotosAttachment 2 CAPTCC-CT16002093-Measure valid certificateAttachment 3 CAPTCC-CT16002093- IEI MOMAttachment 4 CAPTCC-CT16002093-Packing List* 1. 下一次检验/NEXT VISIT

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| **附件****ATTACHMENT** |
| **序号****Item** | **附件名称****Attachment name**  | **描述****Description** |
| **1** | **CAPTCC-CT16002093-Photos** | **Inspection Photos** |
| **2** | **CAPTCC-CT16002093-Measure valid certificate** | **Measure valid certificate** |
| **3** | **CAPTCC-CT16002093- IEI MOM** | **IEI MOM** |
| **4** | **CAPTCC-CT16002093-Packing List** | **Packing List** |

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| **结束****End of Report** |