**原始记录编号: ${ysjlbh}**

**检验原始记录**

|  |  |
| --- | --- |
| **产品名称:** | ${poleType1} |
| **产品型号:** | ${specifications1} |
| **受检单位:** | ${inspectedUnit1} |
| **生产单位:** | ${productionUnit1} |
| **检验类别:** | **委托检验** |

**中国泰尔实验室**

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# **第一章 检验前记录**

## 一、被检样品测试信息

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **产品名称** | ${poleType} | | | | | | | | **型号规格** | | | ${specifications} | | | |
| **受检单位** | ${inspectedUnit} | | | | | | | | **生产单位** | | | ${productionUnit} | | | |
| **生产日期** | ${productDate} | | | | | | | | **检验日期** | | | ${examinationDate} | | | |
| **检验地点** | ${examonationAddress} | | | | | | | | | | | | | | |
| **混凝土** | 类型 | | | ${concreteType} | | | | | **钢筋规格** | | | 主筋 | ${rd1} Φ${rd2} | | |
| 等级 | | | ${concreteGrade} | | | | | 螺旋筋 | Φ${rsd} | | |
| 壁厚 | | | ${concreteThickness} | | | | | 架立圈 | Φ${rer} | | |
| **采样方式** | 送样 | | ${cyfs1} | | 抽样 | | ${cyfs2} | | **样品数量** | | | ${sampleNumber} | | | |
| **抽样基数** | | | ${sampleBaseNum} | | | |
| **样品编号** | ${sampleCode} | | | | | | | | | | | | | | |
| **检验项目** | ${xm1} | 外观质量、 | | | | ${xm2} | | 尺寸偏差、 | | ${xm3} | 保护层厚度、 | | | ${xm4} | 标志 |
| ${xm5} | 力学性能、 | | | | ${xm6} | | 构造要求、 | | ${xm7} | 混凝土抗压强度 | | | | |
| **检验依据** | ${jyyjmc}   |  |  |  |  | | --- | --- | --- | --- | | 检验项目 | 依据条款号 | 检验项目 | 依据条款号 | | 外观质量 | 6.2 | 尺寸偏差 | 6.3 | | 保护层厚度 | 6.4 | 力学性能 | 6.5 | | 构造要求 | 5.2 | 混凝土抗压强度 | 6.1 | | 标志 | 9 | / | / | | | | | | | | | | | | | | | |
| **备注** |  | | | | | | | | | | | | | | |

## 二、环境条件

|  |  |  |  |
| --- | --- | --- | --- |
| 环境温度 | ${wd1}—${wd2} ℃ | 相对湿度 | ${sd1}—${sd2}% |

## 三、仪器仪表

检测用仪器仪表

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 序号 | 名称 | 型号 | 出厂编号 | 证书编号 | 有效期 |
| 1 | ${yqybmc1} | ${yqybxh1} | ${yqybchbh1} | ${yqybzxbh1} | ${yqybyxq1} |
| 2 | ${yqybmc2} | ${yqybmc2} | ${yqybchbh2} | ${yqybzxbh2} | ${yqybyxq2} |
| 3 | ${yqybmc3} | ${yqybmc3} | ${yqybchbh3} | ${yqybzxbh3} | ${yqybyxq3} |
| 4 | ${yqybmc4} | ${yqybmc4} | ${yqybchbh4} | ${yqybzxbh4} | ${yqybyxq4} |
| 5 | ${yqybmc5} | ${yqybmc5} | ${yqybchbh5} | ${yqybzxbh5} | ${yqybyxq5} |

# **四、检验人员**

|  |  |
| --- | --- |
| 检 验 员 | 审 核 员 |
| ${username} | ${username} |

# **五、外观质量检测记录**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **外观、标志、混凝土抗压强度**  **检测（1/2）** | | | | **项目**  **类别** | **单位** | **指标要求** | **实测结果** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 表面裂缝 | | 纵向裂缝 | | A | mm | ${wgbbzxlf} | ${bz1} | ${bz2} | ${bz3} | ${bz4} | ${bz5} | ${bz6} | ${bz7} | ${bz8} | ${bz9} | ${bz10} |
| 环问裂缝 | | ${wgbbhxlf} | ${bh1} | ${bh2} | ${bh3} | ${bh4} | ${bh5} | ${bh6} | ${bh7} | ${bh8} | ${bh9} | ${bh10} |
| 漏浆 | 模边合  缝处 | 漏浆与否 | | A | / | 不应 | ${lj1} | ${lj2} | ${lj3} | ${lj4} | ${lj5} | ${lj6} | ${lj7} | ${lj8} | ${lj9} | ${lj10} |
| 允  许  修  补 | 单处长度 | mm | ≤300 | ${dc1} | ${dc2} | ${dc3} | ${dc4} | ${dc5} | ${dc6} | ${dc7} | ${dc8} | ${dc9} | ${dc10} |
| 单处深度 | ≤10 | ${dh1} | ${dh2} | ${dh3} | ${dh4} | ${dh5} | ${dh6} | ${dh7} | ${dh8} | ${dh9} | ${dh10} |
| 对称漏浆 搭接长度 | ≤100 | ${dj1} | ${dj2} | ${dj3} | ${dj4} | ${dj5} | ${dj6} | ${dj7} | ${dj8} | ${dj9} | ${dj10} |
| 累计长度 | mm | ≤10%杆长度 | ${lc1} | ${lc2} | ${lc3} | ${lc4} | ${lc5} | ${lc6} | ${lc7} | ${lc8} | ${lc9} | ${lc10} |
| 钢板圈  (或法兰 盘)与杆 身结合 面 | 漏浆与否 | | A | / | 不应 | ${gl1} | ${gl2} | ${gl3} | ${gl4} | ${gl5} | ${gl6} | ${gl7} | ${gl8} | ${gl9} | ${gl10} |
| 允  许  修  补 | 深度 | mm | ≤10 | ${hd1} | ${hd2} | ${hd3} | ${hd4} | ${hd5} | ${hd6} | ${hd7} | ${hd8} | ${hd9} | ${hd10} |
| 环向长度 | ≤1/4周长 | ${hc1} | ${hc2} | ${hc3} | ${hc4} | ${hc5} | ${hc6} | ${hc7} | ${hc8} | ${hc9} | ${hc10} |
| 纵向长度 | ≤15 | ${zc1} | ${zc2} | ${zc3} | ${zc4} | ${zc5} | ${zc6} | ${zc7} | ${zc8} | ${zc9} | ${zc10} |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **外观、标志、混凝土抗压强度**  **检测（2/2）** | | | **项目**  **类别** | **单位** | **指标要求** | **实测结果** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 局部碰伤 | 碰伤与否 | | B | / | 不应 | ${ps1} | ${ps2} | ${ps3} | ${ps4} | ${ps5} | ${ps6} | ${ps7} | ${ps8} | ${ps9} | ${ps10} |
| 允许  修补 | 每处面积 | cm2 | ≤50 | ${ym1} | ${ym2} | ${ym3} | ${ym4} | ${ym5} | ${ym6} | ${ym7} | ${ym8} | ${ym9} | ${ym10} |
| 深度 | mm | ≤10 | ${ys1} | ${ys2} | ${ys3} | ${ys4} | ${ys5} | ${ys6} | ${ys7} | ${ys8} | ${ys9} | ${ys10} |
| 内、外表面露筋 | | | A | / | 不允许 | ${nl1} | ${nl2} | ${nl3} | ${nl4} | ${nl5} | ${nl6} | ${nl7} | ${nl8} | ${nl9} | ${nl10} |
| 内表面混凝土塌落 | | | A | / | 不允许 | ${nt1} | ${nt2} | ${nt3} | ${nt4} | ${nt5} | ${nt6} | ${nt7} | ${nt8} | ${nt9} | ${nt10} |
| 蜂窝 | | | A | / | 不允许 | ${fw1} | ${fw2} | ${fw3} | ${fw4} | ${fw5} | ${fw6} | ${fw7} | ${fw8} | ${fw9} | ${fw10} |
| 麻面、粘皮 | 有否 | | B | / | 不应有 | ${my1} | ${my2} | ${my3} | ${my4} | ${my5} | ${my6} | ${my7} | ${my8} | ${my9} | ${my10} |
| 允许  修补 | 每米长度内总面积 | cm2 | ≤5%每米长度内外表面面积 | ${yz1} | ${yz2} | ${yz3} | ${yz4} | ${yz5} | ${yz6} | ${yz7} | ${yz8} | ${yz9} | ${yz10} |
| 钢板圈坡口至混凝土端面距离 | | | B | mm | 大于钢板厚度的1.5倍且≥20mm | ${gj1} | ${gj2} | ${gj3} | ${gj4} | ${gj5} | ${gj6} | ${gj7} | ${gj8} | ${gj9} | ${gj10} |
| 标志(永久、临时) | | | / | / | 应有 | ${yb1} | ${yb2} | ${yb3} | ${yb4} | ${yb5} | ${yb6} | ${yb7} | ${yb8} | ${yb9} | ${yb10} |
| 混凝土抗压强度 | | | A | / | 有试验记录 | ${hk} | | | | | | | | | |

# **六、尺寸偏差及保护层厚度检测记录**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **尺寸偏差及保护层**  **厚度检测（1/3）** | | | | **项目**  **类别** | **单位** | **允差** | **实测结果** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 杆长 | | | 整根杆 | B | mm | -40～+20 | ${zg1} | ${zg2} | ${zg3} | ${zg4} | ${zg5} | ${zg6} | ${zg7} | ${zg8} | ${zg9} | ${zg10} |
| 组装杆杆段 | ±10 | ${zz1} | ${zz2} | ${zz3} | ${zz4} | ${zz5} | ${zz6} | ${zz7} | ${zz8} | ${zz9} | ${zz10} |
| 壁厚 | | | | A | mm | -2～+10 | ${bs1} | ${bs2} | ${bs3} | ${bs4} | ${bs5} | ${bs6} | ${bs7} | ${bs8} | ${bs9} | ${bs10} |
| ${bx1} | ${bx2} | ${bx3} | ${bx4} | ${bx5} | ${bx6} | ${bx7} | ${bx8} | ${bx9} | ${bx10} |
| ${bhz1} | ${bhz2} | ${bhz3} | ${bhz4} | ${bhz5} | ${bhz6} | ${bhz7} | ${bhz8} | ${bhz9} | ${bhz10} |
| ${by1} | ${by2} | ${by3} | ${by4} | ${by5} | ${by6} | ${by7} | ${by8} | ${by9} | ${by10} |
| 外径 | | | | B | mm | -2～+4 | ${ysx1} | ${ysx2} | ${ysx3} | ${ysx4} | ${ysx5} | ${ysx6} | ${ysx7} | ${ysx8} | ${ysx9} | ${ysx10} |
| ${yzy1} | ${yzy2} | ${yzy3} | ${yzy4} | ${yzy5} | ${yzy6} | ${yzy7} | ${yzy8} | ${yzy9} | ${yzy10} |
| 保护层厚度 | B支座处 | | | A | mm | -2～+8 | ${bb1} | ${bb2} | ${bb3} | ${bb4} | ${bb5} | ${bb6} | ${bb7} | ${bb8} | ${bb9} | ${bb10} |
| 梢端0.6m处 | | | ${bd1} | ${bd2} | ${bd3} | ${bd4} | ${bd5} | ${bd6} | ${bd7} | ${bd8} | ${bd9} | ${bd10} |
| 两点之间 | | | ${ld1} | ${ld2} | ${ld3} | ${ld4} | ${ld5} | ${ld6} | ${ld7} | ${ld8} | ${ld9} | ${ld10} |
| 杆段  弯曲度 | | 梢径≤190mm | | A | mm | ≤L/800 | ${yx1} | ${yx2} | ${yx3} | ${yx4} | ${yx5} | ${yx6} | ${yx7} | ${yx8} | ${yx9} | ${yx10} |
| 梢径＞190mm | | ≤L/1000 | ${yd1} | ${yd2} | ${yd3} | ${yd4} | ${yd5} | ${yd6} | ${yd7} | ${yd8} | ${yd9} | ${yd10} |

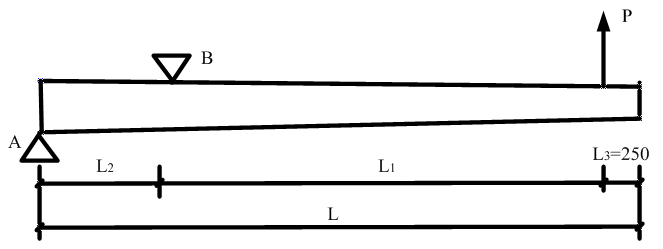
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **尺寸偏差及保护层**  **厚度检测（2/3）** | | | | | **项目**  **类别** | **单位** | **允差** | **实测结果** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 端部倾斜 | | 杆底 | | | B | mm | ≤5 | ${dg1} | ${dg2} | ${dg3} | ${dg4} | ${dg5} | ${dg6} | ${dg7} | ${dg8} | ${dg9} | ${dg10} |
| 钢板圈 | | | B | mm | ≤3 | ${db1} | ${db2} | ${db3} | ${db4} | ${db5} | ${db6} | ${db7} | ${db8} | ${db9} | ${db10} |
| 法兰盘 | | | B | mm | ≤2 | ${df1} | ${df2} | ${df3} | ${df4} | ${df5} | ${df6} | ${df7} | ${df8} | ${df9} | ${df10} |
| 预  埋  件 | 预  留  孔  圈 | 纵向两孔间距 | | | B | mm | ±4 | ${kz1} | ${kz2} | ${kz3} | ${kz4} | ${kz5} | ${kz6} | ${kz7} | ${kz8} | ${kz9} | ${kz10} |
| 横向 | 固定式 | | ≤2 | ${khd1} | ${khd2} | ${khd3} | ${khd4} | ${khd5} | ${khd6} | ${khd7} | ${khd8} | ${khd9} | ${khd10} |
| 埋管式 | | ≤3 | ${khm1} | ${khm2} | ${khm3} | ${khm4} | ${khm5} | ${khm6} | ${khm7} | ${khm8} | ${khm9} | ${khm10} |
| 直径 | | | +2 | ${kzj1} | ${kzj2} | ${kzj3} | ${kzj4} | ${kzj5} | ${kzj6} | ${kzj7} | ${kzj8} | ${kzj9} | ${kzj10} |
| / | / | / | / | / | / | / | / | / | / |
| 钢  板  圈 | 厚度 | | | B | mm | -0.6  +1.0 | ${gh1} | ${gh2} | ${gh3} | ${gh4} | ${gh5} | ${gh6} | ${gh7} | ${gh8} | ${gh9} | ${gh10} |
| / | / | / | / | / | / | / | / | / | / |
| 外径 | | D≤400 | ±2 | ${gyx1} | ${gyx2} | ${gyx3} | ${gyx4} | ${gyx5} | ${gyx6} | ${gyx7} | ${gyx8} | ${gyx9} | ${gyx10} |
| / | / | / | / | / | / | / | / | / | / |
| D＞400 | ±3 | ${gyd1} | ${gyd2} | ${gyd3} | ${gyd4} | ${gyd5} | ${gyd6} | ${gyd7} | ${gyd8} | ${gyd9} | ${gyd10} |
| / | / | / | / | / | / | / | / | / | / |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **尺寸偏差及保护层**  **厚度检测（3/3）** | | | **项目**  **类别** | **单位** | **允差** | **实测结果** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 预  埋  件 | 法  兰  盘 | 内径 | B | mm | ±2 | ${fn1} | ${fn2} | ${fn3} | ${fn4} | ${fn5} | ${fn6} | ${fn7} | ${fn8} | ${fn9} | ${fn10} |
| / | / | / | / | / | / | / | / | / | / |
| 外径 | ±2 | ${fw1} | ${fw2} | ${fw3} | ${fw4} | ${fw5} | ${fw6} | ${fw7} | ${fw8} | ${fw9} | ${fw10} |
| / | / | / | / | / | / | / | / | / | / |
| 螺孔中心距 | ±1 | ${fl1} | ${fl2} | ${fl3} | ${fl4} | ${fl5} | ${fl6} | ${fl7} | ${fl8} | ${fl9} | ${fl10} |
| 端板厚度 | -0.7  +1.5 | ${fd1} | ${fd2} | ${fd3} | ${fd4} | ${fd5} | ${fd6} | ${fd7} | ${fd8} | ${fd9} | ${fd10} |
| / | / | / | / | / | / | / | / | / | / |
| 钢板圈或法兰盘轴线  与杆段轴线 | | | B | mm | ≤2 | ${gf1} | ${gf2} | ${gf3} | ${gf4} | ${gf5} | ${gf6} | ${gf7} | ${gf8} | ${gf9} | ${gf10} |

# **七、构造要求检测记录**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 钢筋  骨架 | **项目** | | **标称值** | **单位** | **要求** | | **允差** | **实测结果** | | |
| 主筋 | 直径 | ${bcz1} | mm | 满足设计要求，且不应大于壁厚的2/5 | | / | ${zzo} | ${zzt} | ${zzth} |
| 数量 | ${bcz2} | 根 | 锥形杆：≥6 | | / | ${zs0} | | |
| ${bcz3} | 等径杆：≥8 | | / | ${zs1} | | |
| 螺旋筋 | 直径 | ${bcz4} | mm | 锥形杆梢径＜190 | 2.5～6 | -0.06 | ${lxo} | ${lxt} | ${lxth} |
| ${bcz5} | 190≤锥形杆梢径≤230 | ≥3 | ${lzo} | ${lzt} | ${lzth} |
| ${bcz6} | 梢径＞230 | ≥4 | ${ldo} | ${ldt} | ${ldth} |
| 间距 | ${bcz7} | 距两端各1.5m内≤70 | | ±10 | ${lno} | ${lnt} | ${lnth} |
| ${bcz8} | 距两端各1.5m外≤120 | | ${lwo} | ${lwt} | ${lwth} |
| ${bcz9} | 杆段的两端螺旋筋是否密缠3圈~5圈 | | / | 杆顶 | | ${ljg} |
| ${bcz10} | 杆底 | | ${lgd} |
| 架立圈 | 直径 | ${bcz11} | mm | 5～10（主筋直径＞18mm时，≥8） | | -0.1 | ${jzo} | ${jzt} | ${jzth} |
| 间距 | ${bcz12} | ${gzyqgjgjjlqjj} | | ±20 | ${jjo} | ${jjt} | ${jjth} |
| 主筋  端部 | 钢筋头是否切除 | | ${bcz13} | / | 电杆两端外露的纵向受力钢筋头应切除 | | / | ${zjdbone} | | |
| 外露主筋头是否采取防腐处理 | | ${bcz14} | / | 外露受力钢筋头应采取防腐处理 | | / | ${zjdbtwo} | | |
| 电杆顶部 | 是否封实 | | ${bcz15} | / | 梢端或等径杆上端应用混凝土或砂浆封实 | | / | ${dgdb} | | |
| 备注： | | | | | | | | | | |

# **八、力学性能检测记录**



${lxxnjc}

# **附录一：检测现场图片**

${bjcp}

图1 被检产品

${cycp}

图2 抽样产品

${bzcp}

图3标志检测

${kacp}

图4 抗压检测

此页为最后一页