附录1

广西地方校准规范

《透射式烟度计滤光片校准规范》

试验报告

为了验证本规范确定的相关技术指标科学、合理、适用，所采取的试验方法具有较强的可操作性，起草单位选取了南华仪器有限公司、浙江浙大鸣泉有限公司等制造的透射式烟度计滤光片进行试验。

计量校准过程中所使用的试验材料、设备均符合本规范的要求，试验方法以透射式烟度计滤光片为依据。

1. 计量标准器具和试验设备

表格1计量标准器具的试验设备

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 仪器设备 | 型号规格 | 编号 | 生产厂家 | 检定日期 |
| 双光束紫外可见分光光度计 | Lambda 950 | 950L1304052 | 美国PE公司 | 2021-11-06 |

1. 试验环境条件和方法

环境条件：(20～26)℃，相对湿度(31～75)%

1. 试验数据

表格 2 试验数据汇总

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 样品编号 | 透射比τ | 吸收比N | 吸收比Ns | 均匀性 | 正反差别 |
| 15160870 | 9.0% | 91.0% | 99.2% | 0.0% | 0.0% |
| 191139 | 9.5% | 90.5% | 99.1% | 0.0% | 0.0% |
| 15160931 | 9.5% | 90.5% | 99.1% | 0.0% | 0.0% |
| GW19-1515 | 9.7% | 90.3% | 99.1% | 0.0% | 0.0% |
| GW19-1513 | 9.7% | 90.3% | 99.1% | 0.0% | 0.0% |
| C697 | 9.7% | 90.3% | 99.1% | 0.0% | 0.0% |
| C301 | 28.3% | 71.7% | 92.0% | 0.0% | 0.1% |
| 191138 | 28.6% | 71.4% | 91.8% | 0.0% | 0.0% |
| 191130 | 29.3% | 70.7% | 91.4% | 0.1% | 0.0% |
| 20-4007 | 29.8% | 70.2% | 91.1% | 0.0% | 0.0% |
| 20-4006 | 29.8% | 70.2% | 91.1% | 0.0% | 0.0% |
| FL-C1182 | 32.5% | 67.5% | 89.5% | 0.0% | 0.0% |
| FL-A2364 | 48.2% | 51.8% | 76.7% | 0.0% | 0.0% |
| 6193392 | 48.9% | 51.1% | 76.1% | 0.0% | 0.0% |
| FL-A1454 | 49.2% | 50.8% | 75.8% | 0.1% | 0.0% |
| 191137 | 50.3% | 49.7% | 74.7% | 0.0% | 0.0% |
| 191125 | 50.6% | 49.4% | 74.4% | 0.1% | 0.1% |
| FL-B1759 | 67.4% | 32.6% | 54.6% | 0.0% | 0.0% |
| FL-B1758 | 67.6% | 32.4% | 54.3% | 0.0% | 0.0% |
| S19-3968 | 68.6% | 31.4% | 52.9% | 0.0% | 0.0% |
| 20-3210 | 68.7% | 31.3% | 52.8% | 0.2% | 0.1% |
| 191136 | 68.8% | 31.2% | 52.6% | 0.0% | 0.0% |
| 20-2941 | 69.0% | 31.0% | 52.4% | 0.0% | 0.2% |
| GW19-1368 | 69.1% | 30.9% | 52.2% | 0.0% | 0.0% |
| S19-1368 | 69.9% | 30.1% | 51.2% | 0.0% | 0.0% |
| 2140239 | 70.3% | 29.7% | 50.5% | 0.1% | 0.2% |
| 2140804 | 70.6% | 29.4% | 50.2% | 0.0% | 0.0% |
| 2140802 | 71.1% | 28.9% | 49.5% | 0.0% | 0.0% |
| 2140870 | 71.1% | 28.9% | 49.4% | 0.2% | 0.1% |

附录2 原始记录1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | FL-A1454 | |
| 生产厂家 | GZFULI | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 47.2% | 47.1% | 47.2% |
| 635nm | 0.21700 | | 47.6% | 47.6% | 47.6% |
| 625nm | 0.32100 | | 47.8% | 47.8% | 47.8% |
| 615nm | 0.44120 | | 47.6% | 47.5% | 47.6% |
| 605nm | 0.56680 | | 47.1% | 47.1% | 47.2% |
| 595nm | 0.69490 | | 46.9% | 46.9% | 47.0% |
| 585nm | 0.81630 | | 47.5% | 47.4% | 47.5% |
| 575nm | 0.91540 | | 48.7% | 48.6% | 48.7% |
| 565nm | 0.97860 | | 49.9% | 49.9% | 50.0% |
| 555nm | 1.00000 | | 50.7% | 50.7% | 50.8% |
| 545nm | 0.98030 | | 50.9% | 50.8% | 50.9% |
| 535nm | 0.91485 | | 50.5% | 50.5% | 50.6% |
| 525nm | 0.79320 | | 49.9% | 49.8% | 49.9% |
| 515nm | 0.60820 | | 49.5% | 49.4% | 49.5% |
| 505nm | 0.40730 | | 49.4% | 49.4% | 49.5% |
| 495nm | 0.25860 | | 49.8% | 49.7% | 49.8% |
| 485nm | 0.16930 | | 50.5% | 50.4% | 50.6% |
| 475nm | 0.11260 | | 51.5% | 51.4% | 51.5% |
| 单次透射比*τ*i | | | 49% | 49% | 49% |
| 样品编号 | | **FL-A1454** | | 扩展不确定度 | |
| 透射比*τ* | | 49.2% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 50.8% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 75.8% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.1% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | NDF-15 | | 出厂编号 | 15160931 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 9.9% | 9.9% | 9.9% |
| 635nm | 0.21700 | | 9.8% | 9.8% | 9.8% |
| 625nm | 0.32100 | | 9.7% | 9.7% | 9.7% |
| 615nm | 0.44120 | | 9.4% | 9.4% | 9.4% |
| 605nm | 0.56680 | | 9.0% | 9.0% | 9.0% |
| 595nm | 0.69490 | | 8.7% | 8.7% | 8.7% |
| 585nm | 0.81630 | | 8.7% | 8.8% | 8.7% |
| 575nm | 0.91540 | | 9.1% | 9.1% | 9.1% |
| 565nm | 0.97860 | | 9.6% | 9.6% | 9.6% |
| 555nm | 1.00000 | | 10.0% | 10.0% | 10.0% |
| 545nm | 0.98030 | | 10.1% | 10.1% | 10.1% |
| 535nm | 0.91485 | | 9.9% | 9.9% | 9.9% |
| 525nm | 0.79320 | | 9.6% | 9.6% | 9.6% |
| 515nm | 0.60820 | | 9.4% | 9.4% | 9.4% |
| 505nm | 0.40730 | | 9.4% | 9.4% | 9.4% |
| 495nm | 0.25860 | | 9.6% | 9.6% | 9.6% |
| 485nm | 0.16930 | | 10.0% | 10.0% | 10.0% |
| 475nm | 0.11260 | | 10.6% | 10.6% | 10.6% |
| 单次透射比*τ*i | | | 9% | 10% | 9% |
| 样品编号 | | **15160931** | | 扩展不确定度 | |
| 透射比*τ* | | 9.5% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 90.5% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 99.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | NDF-15 | | 出厂编号 | 15160870 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 9.4% | 9.4% | 9.4% |
| 635nm | 0.21700 | | 9.3% | 9.3% | 9.3% |
| 625nm | 0.32100 | | 9.2% | 9.2% | 9.2% |
| 615nm | 0.44120 | | 8.9% | 8.9% | 8.9% |
| 605nm | 0.56680 | | 8.5% | 8.5% | 8.5% |
| 595nm | 0.69490 | | 8.3% | 8.2% | 8.2% |
| 585nm | 0.81630 | | 8.3% | 8.3% | 8.3% |
| 575nm | 0.91540 | | 8.6% | 8.6% | 8.6% |
| 565nm | 0.97860 | | 9.1% | 9.1% | 9.1% |
| 555nm | 1.00000 | | 9.5% | 9.5% | 9.5% |
| 545nm | 0.98030 | | 9.6% | 9.6% | 9.6% |
| 535nm | 0.91485 | | 9.4% | 9.4% | 9.4% |
| 525nm | 0.79320 | | 9.1% | 9.1% | 9.1% |
| 515nm | 0.60820 | | 8.9% | 8.9% | 8.9% |
| 505nm | 0.40730 | | 8.9% | 8.9% | 8.9% |
| 495nm | 0.25860 | | 9.1% | 9.1% | 9.1% |
| 485nm | 0.16930 | | 9.5% | 9.5% | 9.5% |
| 475nm | 0.11260 | | 10.0% | 10.0% | 10.0% |
| 单次透射比*τ*i | | | 9% | 9% | 9% |
| 样品编号 | | **15160870** | | 扩展不确定度 | |
| 透射比*τ* | | 9.0% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 91.0% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 99.2% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | NDF-6 | | 出厂编号 | 6193392 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 49.3% | 49.2% | 49.2% |
| 635nm | 0.21700 | | 49.2% | 49.2% | 49.2% |
| 625nm | 0.32100 | | 49.1% | 49.1% | 49.1% |
| 615nm | 0.44120 | | 48.7% | 48.7% | 48.7% |
| 605nm | 0.56680 | | 48.3% | 48.2% | 48.2% |
| 595nm | 0.69490 | | 47.9% | 47.9% | 47.9% |
| 585nm | 0.81630 | | 48.0% | 48.0% | 48.0% |
| 575nm | 0.91540 | | 48.5% | 48.5% | 48.5% |
| 565nm | 0.97860 | | 49.2% | 49.2% | 49.2% |
| 555nm | 1.00000 | | 49.6% | 49.6% | 49.6% |
| 545nm | 0.98030 | | 49.6% | 49.6% | 49.6% |
| 535nm | 0.91485 | | 49.4% | 49.4% | 49.4% |
| 525nm | 0.79320 | | 48.9% | 48.9% | 48.9% |
| 515nm | 0.60820 | | 48.6% | 48.6% | 48.6% |
| 505nm | 0.40730 | | 48.5% | 48.5% | 48.5% |
| 495nm | 0.25860 | | 48.7% | 48.7% | 48.7% |
| 485nm | 0.16930 | | 49.1% | 49.1% | 49.2% |
| 475nm | 0.11260 | | 49.8% | 49.8% | 49.8% |
| 单次透射比*τ*i | | | 49% | 49% | 49% |
| 样品编号 | | **6193392** | | 扩展不确定度 | |
| 透射比*τ* | | 48.9% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 51.1% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 76.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | NDF-2 | | 出厂编号 | 2140804 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 68.9% | 68.9% | 68.9% |
| 635nm | 0.21700 | | 69.3% | 69.3% | 69.3% |
| 625nm | 0.32100 | | 69.6% | 69.6% | 69.6% |
| 615nm | 0.44120 | | 69.6% | 69.6% | 69.6% |
| 605nm | 0.56680 | | 69.5% | 69.5% | 69.5% |
| 595nm | 0.69490 | | 69.6% | 69.5% | 69.5% |
| 585nm | 0.81630 | | 70.0% | 69.9% | 70.0% |
| 575nm | 0.91540 | | 70.7% | 70.6% | 70.6% |
| 565nm | 0.97860 | | 71.2% | 71.2% | 71.2% |
| 555nm | 1.00000 | | 71.5% | 71.4% | 71.4% |
| 545nm | 0.98030 | | 71.4% | 71.4% | 71.4% |
| 535nm | 0.91485 | | 71.2% | 71.2% | 71.2% |
| 525nm | 0.79320 | | 70.9% | 70.8% | 70.8% |
| 515nm | 0.60820 | | 70.6% | 70.6% | 70.6% |
| 505nm | 0.40730 | | 70.5% | 70.4% | 70.5% |
| 495nm | 0.25860 | | 70.5% | 70.4% | 70.5% |
| 485nm | 0.16930 | | 70.7% | 70.6% | 70.7% |
| 475nm | 0.11260 | | 71.1% | 71.0% | 71.0% |
| 单次透射比*τ*i | | | 71% | 71% | 71% |
| 样品编号 | | **2140804** | | 扩展不确定度 | |
| 透射比*τ* | | 70.6% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 29.4% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 50.2% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | GW19-1368 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 64.8% | 64.8% | 64.8% |
| 635nm | 0.21700 | | 65.7% | 65.7% | 65.7% |
| 625nm | 0.32100 | | 66.4% | 66.4% | 66.4% |
| 615nm | 0.44120 | | 66.8% | 66.8% | 66.8% |
| 605nm | 0.56680 | | 67.0% | 67.0% | 67.0% |
| 595nm | 0.69490 | | 67.4% | 67.4% | 67.4% |
| 585nm | 0.81630 | | 68.4% | 68.4% | 68.4% |
| 575nm | 0.91540 | | 69.5% | 69.5% | 69.5% |
| 565nm | 0.97860 | | 70.2% | 70.2% | 70.2% |
| 555nm | 1.00000 | | 70.4% | 70.4% | 70.4% |
| 545nm | 0.98030 | | 70.3% | 70.3% | 70.3% |
| 535nm | 0.91485 | | 70.1% | 70.2% | 70.2% |
| 525nm | 0.79320 | | 70.0% | 70.0% | 70.0% |
| 515nm | 0.60820 | | 69.9% | 69.9% | 69.9% |
| 505nm | 0.40730 | | 69.7% | 69.7% | 69.7% |
| 495nm | 0.25860 | | 69.6% | 69.6% | 69.6% |
| 485nm | 0.16930 | | 69.8% | 69.8% | 69.7% |
| 475nm | 0.11260 | | 70.1% | 70.1% | 70.0% |
| 单次透射比*τ*i | | | 69% | 69% | 69% |
| 样品编号 | | **GW19-1368** | | 扩展不确定度 | |
| 透射比*τ* | | 69.1% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 30.9% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 52.2% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录7

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | NDF-2 | | 出厂编号 | 2140802 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 26 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 | | |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 69.3% | 69.4% | 69.4% |
| 635nm | 0.21700 | | 69.7% | 69.7% | 69.7% |
| 625nm | 0.32100 | | 70.0% | 70.0% | 70.0% |
| 615nm | 0.44120 | | 70.0% | 70.0% | 70.0% |
| 605nm | 0.56680 | | 69.9% | 69.9% | 70.0% |
| 595nm | 0.69490 | | 70.0% | 70.0% | 70.0% |
| 585nm | 0.81630 | | 70.4% | 70.4% | 70.4% |
| 575nm | 0.91540 | | 71.1% | 71.1% | 71.1% |
| 565nm | 0.97860 | | 71.6% | 71.6% | 71.7% |
| 555nm | 1.00000 | | 71.9% | 71.9% | 71.9% |
| 545nm | 0.98030 | | 71.8% | 71.8% | 71.9% |
| 535nm | 0.91485 | | 71.7% | 71.7% | 71.7% |
| 525nm | 0.79320 | | 71.4% | 71.4% | 71.4% |
| 515nm | 0.60820 | | 71.1% | 71.1% | 71.2% |
| 505nm | 0.40730 | | 71.1% | 71.0% | 71.1% |
| 495nm | 0.25860 | | 71.1% | 71.1% | 71.1% |
| 485nm | 0.16930 | | 71.4% | 71.3% | 71.4% |
| 475nm | 0.11260 | | 71.7% | 71.7% | 71.8% |
| 单次透射比*τ*i | | | 71% | 71% | 71% |
| 样品编号 | | **2140802** | | 扩展不确定度 | |
| 透射比*τ* | | 71.1% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 28.9% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 49.5% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录8

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 20-4007 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 29.1% | 29.1% | 29.1% |
| 635nm | 0.21700 | | 29.4% | 29.4% | 29.4% |
| 625nm | 0.32100 | | 29.5% | 29.5% | 29.5% |
| 615nm | 0.44120 | | 29.3% | 29.3% | 29.3% |
| 605nm | 0.56680 | | 29.0% | 29.0% | 29.0% |
| 595nm | 0.69490 | | 28.9% | 28.9% | 28.9% |
| 585nm | 0.81630 | | 29.4% | 29.4% | 29.4% |
| 575nm | 0.91540 | | 30.3% | 30.3% | 30.3% |
| 565nm | 0.97860 | | 30.8% | 30.9% | 30.9% |
| 555nm | 1.00000 | | 30.8% | 30.8% | 30.8% |
| 545nm | 0.98030 | | 30.5% | 30.5% | 30.5% |
| 535nm | 0.91485 | | 30.0% | 30.0% | 30.0% |
| 525nm | 0.79320 | | 29.5% | 29.5% | 29.5% |
| 515nm | 0.60820 | | 29.2% | 29.2% | 29.2% |
| 505nm | 0.40730 | | 29.0% | 29.0% | 29.0% |
| 495nm | 0.25860 | | 29.0% | 29.0% | 29.0% |
| 485nm | 0.16930 | | 29.2% | 29.2% | 29.2% |
| 475nm | 0.11260 | | 29.6% | 29.6% | 29.6% |
| 单次透射比*τ*i | | | 30% | 30% | 30% |
| 样品编号 | | **20-4007** | | 扩展不确定度 | |
| 透射比*τ* | | 29.8% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 70.2% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 91.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录9

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 191136 | |
| 生产厂家 | 不详 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 65.6% | 65.6% | 65.6% |
| 635nm | 0.21700 | | 66.2% | 66.3% | 66.2% |
| 625nm | 0.32100 | | 66.8% | 66.8% | 66.8% |
| 615nm | 0.44120 | | 67.0% | 67.0% | 67.0% |
| 605nm | 0.56680 | | 67.1% | 67.1% | 67.0% |
| 595nm | 0.69490 | | 67.3% | 67.3% | 67.3% |
| 585nm | 0.81630 | | 68.2% | 68.2% | 68.2% |
| 575nm | 0.91540 | | 69.2% | 69.2% | 69.2% |
| 565nm | 0.97860 | | 69.9% | 69.9% | 69.9% |
| 555nm | 1.00000 | | 70.0% | 70.0% | 70.0% |
| 545nm | 0.98030 | | 69.8% | 69.8% | 69.8% |
| 535nm | 0.91485 | | 69.6% | 69.6% | 69.6% |
| 525nm | 0.79320 | | 69.4% | 69.4% | 69.4% |
| 515nm | 0.60820 | | 69.1% | 69.1% | 69.1% |
| 505nm | 0.40730 | | 68.9% | 68.9% | 68.9% |
| 495nm | 0.25860 | | 68.7% | 68.7% | 68.7% |
| 485nm | 0.16930 | | 68.8% | 68.9% | 68.8% |
| 475nm | 0.11260 | | 69.1% | 69.1% | 69.1% |
| 单次透射比*τ*i | | | 69% | 69% | 69% |
| 样品编号 | | **191136** | | 扩展不确定度 | |
| 透射比*τ* | | 68.8% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 31.2% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 52.6% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录10

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 191137 | |
| 生产厂家 | 不详 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 47.7% | 47.7% | 47.7% |
| 635nm | 0.21700 | | 48.3% | 48.3% | 48.3% |
| 625nm | 0.32100 | | 48.7% | 48.7% | 48.7% |
| 615nm | 0.44120 | | 48.8% | 48.8% | 48.8% |
| 605nm | 0.56680 | | 48.7% | 48.7% | 48.7% |
| 595nm | 0.69490 | | 48.9% | 48.9% | 48.9% |
| 585nm | 0.81630 | | 49.7% | 49.7% | 49.7% |
| 575nm | 0.91540 | | 50.8% | 50.8% | 50.8% |
| 565nm | 0.97860 | | 51.4% | 51.4% | 51.4% |
| 555nm | 1.00000 | | 51.5% | 51.5% | 51.5% |
| 545nm | 0.98030 | | 51.3% | 51.2% | 51.3% |
| 535nm | 0.91485 | | 50.9% | 50.9% | 51.0% |
| 525nm | 0.79320 | | 50.5% | 50.5% | 50.6% |
| 515nm | 0.60820 | | 50.3% | 50.3% | 50.3% |
| 505nm | 0.40730 | | 50.1% | 50.1% | 50.1% |
| 495nm | 0.25860 | | 50.1% | 50.0% | 50.1% |
| 485nm | 0.16930 | | 50.3% | 50.3% | 50.3% |
| 475nm | 0.11260 | | 50.7% | 50.7% | 50.7% |
| 单次透射比*τ*i | | | 50% | 50% | 50% |
| 样品编号 | | **191137** | | 扩展不确定度 | |
| 透射比*τ* | | 50.3% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 49.7% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 74.7% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录11

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 191138 | |
| 生产厂家 | 不详 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 27.8% | 27.8% | 27.8% |
| 635nm | 0.21700 | | 28.1% | 28.1% | 28.1% |
| 625nm | 0.32100 | | 28.2% | 28.2% | 28.2% |
| 615nm | 0.44120 | | 28.0% | 28.0% | 28.0% |
| 605nm | 0.56680 | | 27.7% | 27.7% | 27.7% |
| 595nm | 0.69490 | | 27.6% | 27.6% | 27.6% |
| 585nm | 0.81630 | | 28.1% | 28.2% | 28.2% |
| 575nm | 0.91540 | | 29.0% | 29.0% | 29.0% |
| 565nm | 0.97860 | | 29.6% | 29.6% | 29.6% |
| 555nm | 1.00000 | | 29.6% | 29.6% | 29.6% |
| 545nm | 0.98030 | | 29.2% | 29.2% | 29.2% |
| 535nm | 0.91485 | | 28.8% | 28.8% | 28.8% |
| 525nm | 0.79320 | | 28.3% | 28.3% | 28.3% |
| 515nm | 0.60820 | | 28.0% | 28.0% | 28.0% |
| 505nm | 0.40730 | | 27.8% | 27.8% | 27.8% |
| 495nm | 0.25860 | | 27.7% | 27.7% | 27.7% |
| 485nm | 0.16930 | | 28.0% | 28.0% | 28.0% |
| 475nm | 0.11260 | | 28.4% | 28.4% | 28.4% |
| 单次透射比*τ*i | | | 29% | 29% | 29% |
| 样品编号 | | **191138** | | 扩展不确定度 | |
| 透射比*τ* | | 28.6% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 71.4% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 91.8% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录12

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 191139 | |
| 生产厂家 | 不详 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 8.4% | 8.4% | 8.4% |
| 635nm | 0.21700 | | 8.7% | 8.7% | 8.7% |
| 625nm | 0.32100 | | 8.8% | 8.8% | 8.8% |
| 615nm | 0.44120 | | 8.7% | 8.8% | 8.8% |
| 605nm | 0.56680 | | 8.6% | 8.6% | 8.6% |
| 595nm | 0.69490 | | 8.5% | 8.6% | 8.6% |
| 585nm | 0.81630 | | 8.9% | 9.0% | 9.0% |
| 575nm | 0.91540 | | 9.6% | 9.6% | 9.6% |
| 565nm | 0.97860 | | 10.1% | 10.1% | 10.1% |
| 555nm | 1.00000 | | 10.2% | 10.2% | 10.2% |
| 545nm | 0.98030 | | 10.0% | 10.0% | 10.0% |
| 535nm | 0.91485 | | 9.7% | 9.7% | 9.7% |
| 525nm | 0.79320 | | 9.4% | 9.4% | 9.4% |
| 515nm | 0.60820 | | 9.3% | 9.3% | 9.3% |
| 505nm | 0.40730 | | 9.3% | 9.3% | 9.3% |
| 495nm | 0.25860 | | 9.5% | 9.5% | 9.5% |
| 485nm | 0.16930 | | 9.8% | 9.8% | 9.8% |
| 475nm | 0.11260 | | 10.2% | 10.2% | 10.2% |
| 单次透射比*τ*i | | | 9% | 9% | 9% |
| 样品编号 | | **191139** | | 扩展不确定度 | |
| 透射比*τ* | | 9.5% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 90.5% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 99.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录13

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | FL-A2364 | |
| 生产厂家 | GZFULI | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 46.2% | 46.2% | 46.2% |
| 635nm | 0.21700 | | 46.6% | 46.6% | 46.6% |
| 625nm | 0.32100 | | 46.8% | 46.8% | 46.8% |
| 615nm | 0.44120 | | 46.6% | 46.5% | 46.6% |
| 605nm | 0.56680 | | 46.1% | 46.1% | 46.2% |
| 595nm | 0.69490 | | 45.9% | 45.9% | 46.0% |
| 585nm | 0.81630 | | 46.4% | 46.4% | 46.5% |
| 575nm | 0.91540 | | 47.7% | 47.6% | 47.7% |
| 565nm | 0.97860 | | 49.0% | 48.9% | 49.0% |
| 555nm | 1.00000 | | 49.8% | 49.7% | 49.8% |
| 545nm | 0.98030 | | 49.9% | 49.9% | 50.0% |
| 535nm | 0.91485 | | 49.6% | 49.5% | 49.6% |
| 525nm | 0.79320 | | 48.9% | 48.9% | 49.0% |
| 515nm | 0.60820 | | 48.5% | 48.5% | 48.6% |
| 505nm | 0.40730 | | 48.5% | 48.5% | 48.5% |
| 495nm | 0.25860 | | 48.9% | 48.9% | 48.9% |
| 485nm | 0.16930 | | 49.6% | 49.6% | 49.7% |
| 475nm | 0.11260 | | 50.6% | 50.6% | 50.7% |
| 单次透射比*τ*i | | | 48% | 48% | 48% |
| 样品编号 | | **FL-A2364** | | 扩展不确定度 | |
| 透射比*τ* | | 48.2% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 51.8% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 76.7% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录14

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | FL-B1758 | |
| 生产厂家 | GZFULI | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 64.2% | 64.2% | 64.2% |
| 635nm | 0.21700 | | 64.9% | 64.9% | 64.9% |
| 625nm | 0.32100 | | 65.5% | 65.5% | 65.5% |
| 615nm | 0.44120 | | 65.7% | 65.7% | 65.7% |
| 605nm | 0.56680 | | 65.8% | 65.8% | 65.8% |
| 595nm | 0.69490 | | 66.1% | 66.1% | 66.1% |
| 585nm | 0.81630 | | 66.9% | 66.9% | 67.0% |
| 575nm | 0.91540 | | 68.1% | 68.1% | 68.1% |
| 565nm | 0.97860 | | 68.8% | 68.7% | 68.8% |
| 555nm | 1.00000 | | 68.9% | 68.9% | 68.9% |
| 545nm | 0.98030 | | 68.7% | 68.7% | 68.7% |
| 535nm | 0.91485 | | 68.5% | 68.5% | 68.5% |
| 525nm | 0.79320 | | 68.2% | 68.2% | 68.2% |
| 515nm | 0.60820 | | 68.0% | 68.0% | 68.0% |
| 505nm | 0.40730 | | 67.7% | 67.7% | 67.7% |
| 495nm | 0.25860 | | 67.6% | 67.6% | 67.6% |
| 485nm | 0.16930 | | 67.7% | 67.7% | 67.7% |
| 475nm | 0.11260 | | 68.0% | 68.0% | 68.0% |
| 单次透射比*τ*i | | | 68% | 68% | 68% |
| 样品编号 | | **FL-B1758** | | 扩展不确定度 | |
| 透射比*τ* | | 67.6% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 32.4% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 54.3% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录15

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | FL-C1182 | |
| 生产厂家 | GZFULI | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 30.9% | 30.9% | 30.9% |
| 635nm | 0.21700 | | 31.3% | 31.3% | 31.3% |
| 625nm | 0.32100 | | 31.6% | 31.6% | 31.5% |
| 615nm | 0.44120 | | 31.4% | 31.4% | 31.4% |
| 605nm | 0.56680 | | 31.1% | 31.1% | 31.1% |
| 595nm | 0.69490 | | 31.1% | 31.1% | 31.1% |
| 585nm | 0.81630 | | 31.8% | 31.8% | 31.8% |
| 575nm | 0.91540 | | 32.9% | 32.9% | 32.9% |
| 565nm | 0.97860 | | 33.6% | 33.6% | 33.6% |
| 555nm | 1.00000 | | 33.7% | 33.7% | 33.7% |
| 545nm | 0.98030 | | 33.4% | 33.4% | 33.4% |
| 535nm | 0.91485 | | 32.9% | 32.9% | 32.9% |
| 525nm | 0.79320 | | 32.4% | 32.4% | 32.4% |
| 515nm | 0.60820 | | 32.1% | 32.1% | 32.1% |
| 505nm | 0.40730 | | 31.9% | 32.0% | 31.9% |
| 495nm | 0.25860 | | 32.0% | 32.0% | 32.0% |
| 485nm | 0.16930 | | 32.3% | 32.4% | 32.3% |
| 475nm | 0.11260 | | 32.8% | 32.9% | 32.9% |
| 单次透射比*τ*i | | | 32% | 32% | 32% |
| 样品编号 | | **FL-C1182** | | 扩展不确定度 | |
| 透射比*τ* | | 32.5% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 67.5% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 89.5% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录16

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | GW19-1513 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 8.5% | 8.5% | 8.5% |
| 635nm | 0.21700 | | 8.8% | 8.8% | 8.8% |
| 625nm | 0.32100 | | 9.0% | 9.0% | 9.0% |
| 615nm | 0.44120 | | 8.9% | 8.9% | 9.0% |
| 605nm | 0.56680 | | 8.8% | 8.8% | 8.8% |
| 595nm | 0.69490 | | 8.8% | 8.8% | 8.8% |
| 585nm | 0.81630 | | 9.3% | 9.3% | 9.3% |
| 575nm | 0.91540 | | 9.9% | 9.9% | 9.9% |
| 565nm | 0.97860 | | 10.3% | 10.3% | 10.3% |
| 555nm | 1.00000 | | 10.4% | 10.4% | 10.4% |
| 545nm | 0.98030 | | 10.2% | 10.3% | 10.3% |
| 535nm | 0.91485 | | 10.0% | 10.0% | 10.0% |
| 525nm | 0.79320 | | 9.7% | 9.7% | 9.7% |
| 515nm | 0.60820 | | 9.6% | 9.6% | 9.6% |
| 505nm | 0.40730 | | 9.6% | 9.6% | 9.6% |
| 495nm | 0.25860 | | 9.8% | 9.8% | 9.8% |
| 485nm | 0.16930 | | 10.0% | 10.0% | 10.0% |
| 475nm | 0.11260 | | 10.3% | 10.3% | 10.3% |
| 单次透射比*τ*i | | | 10% | 10% | 10% |
| 样品编号 | | **GW19-1513** | | 扩展不确定度 | |
| 透射比*τ* | | 9.7% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 90.3% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 99.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录17

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | GW19-1515 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 8.4% | 8.5% | 8.4% |
| 635nm | 0.21700 | | 8.7% | 8.7% | 8.7% |
| 625nm | 0.32100 | | 8.9% | 8.9% | 8.9% |
| 615nm | 0.44120 | | 8.9% | 8.9% | 8.9% |
| 605nm | 0.56680 | | 8.8% | 8.8% | 8.8% |
| 595nm | 0.69490 | | 8.8% | 8.8% | 8.8% |
| 585nm | 0.81630 | | 9.2% | 9.2% | 9.2% |
| 575nm | 0.91540 | | 9.9% | 9.9% | 9.9% |
| 565nm | 0.97860 | | 10.3% | 10.3% | 10.3% |
| 555nm | 1.00000 | | 10.4% | 10.4% | 10.4% |
| 545nm | 0.98030 | | 10.2% | 10.2% | 10.2% |
| 535nm | 0.91485 | | 10.0% | 10.0% | 10.0% |
| 525nm | 0.79320 | | 9.7% | 9.7% | 9.7% |
| 515nm | 0.60820 | | 9.6% | 9.6% | 9.6% |
| 505nm | 0.40730 | | 9.6% | 9.6% | 9.6% |
| 495nm | 0.25860 | | 9.7% | 9.7% | 9.7% |
| 485nm | 0.16930 | | 10.0% | 10.0% | 10.0% |
| 475nm | 0.11260 | | 10.3% | 10.3% | 10.3% |
| 单次透射比*τ*i | | | 10% | 10% | 10% |
| 样品编号 | | **GW19-1515** | | 扩展不确定度 | |
| 透射比*τ* | | 9.7% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 90.3% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 99.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录18

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | S19-3968 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 65.4% | 65.4% | 65.3% |
| 635nm | 0.21700 | | 66.0% | 66.0% | 66.0% |
| 625nm | 0.32100 | | 66.6% | 66.6% | 66.6% |
| 615nm | 0.44120 | | 66.8% | 66.8% | 66.8% |
| 605nm | 0.56680 | | 66.8% | 66.9% | 66.8% |
| 595nm | 0.69490 | | 67.1% | 67.1% | 67.1% |
| 585nm | 0.81630 | | 67.9% | 68.0% | 67.9% |
| 575nm | 0.91540 | | 69.0% | 69.0% | 69.0% |
| 565nm | 0.97860 | | 69.7% | 69.7% | 69.7% |
| 555nm | 1.00000 | | 69.8% | 69.8% | 69.8% |
| 545nm | 0.98030 | | 69.6% | 69.6% | 69.6% |
| 535nm | 0.91485 | | 69.4% | 69.4% | 69.4% |
| 525nm | 0.79320 | | 69.1% | 69.1% | 69.1% |
| 515nm | 0.60820 | | 68.9% | 68.9% | 68.9% |
| 505nm | 0.40730 | | 68.6% | 68.7% | 68.6% |
| 495nm | 0.25860 | | 68.5% | 68.5% | 68.5% |
| 485nm | 0.16930 | | 68.6% | 68.6% | 68.6% |
| 475nm | 0.11260 | | 68.9% | 68.9% | 68.8% |
| 单次透射比*τ*i | | | 69% | 69% | 69% |
| 样品编号 | | **S19-3968** | | 扩展不确定度 | |
| 透射比*τ* | | 68.6% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 31.4% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 52.9% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 20-3210 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 65.5% | 65.6% | 65.4% |
| 635nm | 0.21700 | | 66.1% | 66.3% | 66.1% |
| 625nm | 0.32100 | | 66.6% | 66.8% | 66.6% |
| 615nm | 0.44120 | | 66.9% | 67.0% | 66.8% |
| 605nm | 0.56680 | | 66.9% | 67.1% | 66.9% |
| 595nm | 0.69490 | | 67.2% | 67.4% | 67.1% |
| 585nm | 0.81630 | | 68.0% | 68.2% | 67.9% |
| 575nm | 0.91540 | | 69.1% | 69.2% | 69.0% |
| 565nm | 0.97860 | | 69.7% | 69.9% | 69.7% |
| 555nm | 1.00000 | | 69.9% | 70.0% | 69.8% |
| 545nm | 0.98030 | | 69.6% | 69.8% | 69.6% |
| 535nm | 0.91485 | | 69.4% | 69.6% | 69.4% |
| 525nm | 0.79320 | | 69.2% | 69.4% | 69.1% |
| 515nm | 0.60820 | | 68.9% | 69.1% | 68.9% |
| 505nm | 0.40730 | | 68.7% | 68.9% | 68.6% |
| 495nm | 0.25860 | | 68.5% | 68.7% | 68.4% |
| 485nm | 0.16930 | | 68.6% | 68.8% | 68.5% |
| 475nm | 0.11260 | | 68.9% | 69.1% | 68.8% |
| 单次透射比*τ*i | | | 69% | 69% | 69% |
| 样品编号 | | **20-3210** | | 扩展不确定度 | |
| 透射比*τ* | | 68.7% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 31.3% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 52.8% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.2% | | */* | |
| 正反差别 | | 0.1% | | */* | |

附录2 原始记录20

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 20-4006 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 25 | 35 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 29.1% | 29.1% | 29.1% |
| 635nm | 0.21700 | | 29.4% | 29.4% | 29.4% |
| 625nm | 0.32100 | | 29.5% | 29.5% | 29.5% |
| 615nm | 0.44120 | | 29.3% | 29.3% | 29.3% |
| 605nm | 0.56680 | | 29.0% | 29.0% | 29.0% |
| 595nm | 0.69490 | | 28.9% | 28.9% | 28.9% |
| 585nm | 0.81630 | | 29.4% | 29.4% | 29.4% |
| 575nm | 0.91540 | | 30.3% | 30.3% | 30.3% |
| 565nm | 0.97860 | | 30.9% | 30.9% | 30.9% |
| 555nm | 1.00000 | | 30.8% | 30.9% | 30.9% |
| 545nm | 0.98030 | | 30.5% | 30.5% | 30.5% |
| 535nm | 0.91485 | | 30.0% | 30.0% | 30.0% |
| 525nm | 0.79320 | | 29.5% | 29.6% | 29.6% |
| 515nm | 0.60820 | | 29.2% | 29.3% | 29.3% |
| 505nm | 0.40730 | | 29.0% | 29.0% | 29.0% |
| 495nm | 0.25860 | | 29.0% | 29.0% | 29.0% |
| 485nm | 0.16930 | | 29.2% | 29.2% | 29.2% |
| 475nm | 0.11260 | | 29.6% | 29.7% | 29.7% |
| 单次透射比*τ*i | | | 30% | 30% | 30% |
| 样品编号 | | **20-4006** | | 扩展不确定度 | |
| 透射比*τ* | | 29.8% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 70.2% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 91.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录21

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | S19-1368 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 66.1% | 66.2% | 66.3% |
| 635nm | 0.21700 | | 66.9% | 66.6% | 66.8% |
| 625nm | 0.32100 | | 67.3% | 66.9% | 66.9% |
| 615nm | 0.44120 | | 68.0% | 67.9% | 67.9% |
| 605nm | 0.56680 | | 67.8% | 67.7% | 67.7% |
| 595nm | 0.69490 | | 68.1% | 68.0% | 68.0% |
| 585nm | 0.81630 | | 69.2% | 69.3% | 69.4% |
| 575nm | 0.91540 | | 70.3% | 70.4% | 70.0% |
| 565nm | 0.97860 | | 71.3% | 71.2% | 71.3% |
| 555nm | 1.00000 | | 71.2% | 71.1% | 71.1% |
| 545nm | 0.98030 | | 70.7% | 70.7% | 71.2% |
| 535nm | 0.91485 | | 70.5% | 70.6% | 70.6% |
| 525nm | 0.79320 | | 70.5% | 70.7% | 70.8% |
| 515nm | 0.60820 | | 70.4% | 70.2% | 70.4% |
| 505nm | 0.40730 | | 69.8% | 70.3% | 70.2% |
| 495nm | 0.25860 | | 69.9% | 70.3% | 69.9% |
| 485nm | 0.16930 | | 70.4% | 70.0% | 70.2% |
| 475nm | 0.11260 | | 70.4% | 70.3% | 70.4% |
| 单次透射比*τ*i | | | 70% | 70% | 70% |
| 样品编号 | | **S19-1368** | | 扩展不确定度 | |
| 透射比*τ* | | 69.9% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 30.1% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 51.2% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录22

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 191125 | |
| 生产厂家 | / | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 47.9% | 48.1% | 48.1% |
| 635nm | 0.21700 | | 48.8% | 48.8% | 48.8% |
| 625nm | 0.32100 | | 49.0% | 49.2% | 48.9% |
| 615nm | 0.44120 | | 49.4% | 49.4% | 49.2% |
| 605nm | 0.56680 | | 48.9% | 49.2% | 48.9% |
| 595nm | 0.69490 | | 49.1% | 49.1% | 48.8% |
| 585nm | 0.81630 | | 50.0% | 50.0% | 49.9% |
| 575nm | 0.91540 | | 50.9% | 51.2% | 50.9% |
| 565nm | 0.97860 | | 51.8% | 52.0% | 51.7% |
| 555nm | 1.00000 | | 51.8% | 52.0% | 52.0% |
| 545nm | 0.98030 | | 51.6% | 51.6% | 51.4% |
| 535nm | 0.91485 | | 51.1% | 51.1% | 51.2% |
| 525nm | 0.79320 | | 50.8% | 50.9% | 50.6% |
| 515nm | 0.60820 | | 50.4% | 50.4% | 50.1% |
| 505nm | 0.40730 | | 50.1% | 50.1% | 50.0% |
| 495nm | 0.25860 | | 50.2% | 50.1% | 49.9% |
| 485nm | 0.16930 | | 50.2% | 50.4% | 50.4% |
| 475nm | 0.11260 | | 50.8% | 50.7% | 50.8% |
| 单次透射比*τ*i | | | 51% | 51% | 50% |
| 样品编号 | | **191125** | | 扩展不确定度 | |
| 透射比*τ* | | 50.6% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 49.4% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 74.4% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.1% | | */* | |
| 正反差别 | | 0.1% | | */* | |

附录2 原始记录23

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 2140870 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 70.7% | 70.4% | 70.1% |
| 635nm | 0.21700 | | 70.5% | 70.6% | 70.3% |
| 625nm | 0.32100 | | 70.5% | 70.4% | 70.3% |
| 615nm | 0.44120 | | 71.1% | 70.5% | 70.8% |
| 605nm | 0.56680 | | 70.3% | 70.2% | 70.3% |
| 595nm | 0.69490 | | 70.4% | 70.1% | 70.1% |
| 585nm | 0.81630 | | 70.9% | 70.6% | 70.8% |
| 575nm | 0.91540 | | 71.6% | 70.9% | 71.1% |
| 565nm | 0.97860 | | 71.9% | 71.9% | 71.9% |
| 555nm | 1.00000 | | 72.0% | 72.0% | 72.2% |
| 545nm | 0.98030 | | 72.1% | 72.0% | 71.9% |
| 535nm | 0.91485 | | 71.5% | 71.3% | 71.4% |
| 525nm | 0.79320 | | 71.2% | 71.1% | 71.3% |
| 515nm | 0.60820 | | 70.8% | 70.6% | 70.6% |
| 505nm | 0.40730 | | 70.8% | 70.7% | 70.6% |
| 495nm | 0.25860 | | 70.7% | 70.7% | 70.4% |
| 485nm | 0.16930 | | 70.7% | 70.8% | 70.7% |
| 475nm | 0.11260 | | 71.4% | 71.1% | 71.2% |
| 单次透射比*τ*i | | | 71% | 71% | 71% |
| 样品编号 | | **2140870** | | 扩展不确定度 | |
| 透射比*τ* | | 71.1% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 28.9% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 49.4% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.2% | | */* | |
| 正反差别 | | 0.1% | | */* | |

附录2 原始记录24

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | C697 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 8.9% | 8.7% | 8.7% |
| 635nm | 0.21700 | | 9.0% | 9.1% | 9.0% |
| 625nm | 0.32100 | | 9.1% | 9.2% | 9.0% |
| 615nm | 0.44120 | | 9.1% | 8.9% | 9.1% |
| 605nm | 0.56680 | | 8.8% | 8.8% | 8.9% |
| 595nm | 0.69490 | | 8.8% | 8.8% | 8.8% |
| 585nm | 0.81630 | | 9.2% | 9.2% | 9.2% |
| 575nm | 0.91540 | | 9.8% | 9.9% | 9.9% |
| 565nm | 0.97860 | | 10.4% | 10.5% | 10.4% |
| 555nm | 1.00000 | | 10.5% | 10.5% | 10.6% |
| 545nm | 0.98030 | | 10.2% | 10.3% | 10.3% |
| 535nm | 0.91485 | | 9.9% | 9.9% | 10.1% |
| 525nm | 0.79320 | | 9.7% | 9.7% | 9.7% |
| 515nm | 0.60820 | | 9.5% | 9.5% | 9.6% |
| 505nm | 0.40730 | | 9.5% | 9.6% | 9.7% |
| 495nm | 0.25860 | | 9.7% | 9.7% | 9.6% |
| 485nm | 0.16930 | | 10.0% | 10.0% | 10.0% |
| 475nm | 0.11260 | | 10.4% | 10.3% | 10.5% |
| 单次透射比*τ*i | | | 10% | 10% | 10% |
| 样品编号 | | **C697** | | 扩展不确定度 | |
| 透射比*τ* | | 9.7% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 90.3% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 99.1% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录25

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | C301 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 25.8% | 26.1% | 25.7% |
| 635nm | 0.21700 | | 26.5% | 26.4% | 26.3% |
| 625nm | 0.32100 | | 26.8% | 26.6% | 26.8% |
| 615nm | 0.44120 | | 26.9% | 26.9% | 27.0% |
| 605nm | 0.56680 | | 26.5% | 26.6% | 26.6% |
| 595nm | 0.69490 | | 26.6% | 26.7% | 26.6% |
| 585nm | 0.81630 | | 27.4% | 27.6% | 27.6% |
| 575nm | 0.91540 | | 28.5% | 28.5% | 28.7% |
| 565nm | 0.97860 | | 29.5% | 29.4% | 29.4% |
| 555nm | 1.00000 | | 29.5% | 29.6% | 29.6% |
| 545nm | 0.98030 | | 29.2% | 29.3% | 29.3% |
| 535nm | 0.91485 | | 28.8% | 28.8% | 28.8% |
| 525nm | 0.79320 | | 28.5% | 28.4% | 28.6% |
| 515nm | 0.60820 | | 28.2% | 28.2% | 28.3% |
| 505nm | 0.40730 | | 28.4% | 28.3% | 28.2% |
| 495nm | 0.25860 | | 28.4% | 28.6% | 28.5% |
| 485nm | 0.16930 | | 28.7% | 28.9% | 28.8% |
| 475nm | 0.11260 | | 29.3% | 29.4% | 29.4% |
| 单次透射比*τ*i | | | 28% | 28% | 28% |
| 样品编号 | | **C301** | | 扩展不确定度 | |
| 透射比*τ* | | 28.3% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 71.7% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 92.0% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.1% | | */* | |

附录2 原始记录26

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 20-2941 | |
| 生产厂家 | 浙江浙大鸣泉科技有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 66.0% | 65.8% | 65.9% |
| 635nm | 0.21700 | | 66.6% | 66.4% | 65.9% |
| 625nm | 0.32100 | | 67.0% | 66.7% | 66.9% |
| 615nm | 0.44120 | | 67.3% | 67.5% | 67.3% |
| 605nm | 0.56680 | | 67.1% | 67.0% | 67.1% |
| 595nm | 0.69490 | | 67.8% | 67.7% | 67.4% |
| 585nm | 0.81630 | | 68.5% | 68.3% | 68.1% |
| 575nm | 0.91540 | | 69.3% | 69.2% | 68.9% |
| 565nm | 0.97860 | | 70.2% | 70.0% | 70.0% |
| 555nm | 1.00000 | | 70.4% | 70.4% | 70.4% |
| 545nm | 0.98030 | | 69.8% | 69.9% | 70.0% |
| 535nm | 0.91485 | | 69.9% | 69.9% | 69.8% |
| 525nm | 0.79320 | | 69.6% | 69.8% | 69.6% |
| 515nm | 0.60820 | | 69.4% | 69.3% | 69.4% |
| 505nm | 0.40730 | | 69.6% | 69.3% | 69.2% |
| 495nm | 0.25860 | | 68.8% | 68.6% | 68.5% |
| 485nm | 0.16930 | | 69.2% | 69.5% | 69.2% |
| 475nm | 0.11260 | | 69.6% | 69.5% | 69.2% |
| 单次透射比*τ*i | | | 69% | 69% | 69% |
| 样品编号 | | **20-2941** | | 扩展不确定度 | |
| 透射比*τ* | | 69.0% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 31.0% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 52.4% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.2% | | */* | |

附录2 原始记录27

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 191130 | |
| 生产厂家 | / | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 28.7% | 28.5% | 28.6% |
| 635nm | 0.21700 | | 29.0% | 28.9% | 28.9% |
| 625nm | 0.32100 | | 29.0% | 28.9% | 28.8% |
| 615nm | 0.44120 | | 28.8% | 28.9% | 28.8% |
| 605nm | 0.56680 | | 28.3% | 28.4% | 28.2% |
| 595nm | 0.69490 | | 28.3% | 28.3% | 28.2% |
| 585nm | 0.81630 | | 28.9% | 29.0% | 28.9% |
| 575nm | 0.91540 | | 29.7% | 29.8% | 29.7% |
| 565nm | 0.97860 | | 30.4% | 30.5% | 30.3% |
| 555nm | 1.00000 | | 30.4% | 30.5% | 30.4% |
| 545nm | 0.98030 | | 29.9% | 30.0% | 29.8% |
| 535nm | 0.91485 | | 29.3% | 29.5% | 29.4% |
| 525nm | 0.79320 | | 29.1% | 29.1% | 28.9% |
| 515nm | 0.60820 | | 28.7% | 28.6% | 28.7% |
| 505nm | 0.40730 | | 28.5% | 28.3% | 28.3% |
| 495nm | 0.25860 | | 28.3% | 28.4% | 28.6% |
| 485nm | 0.16930 | | 28.8% | 28.6% | 28.7% |
| 475nm | 0.11260 | | 29.0% | 29.1% | 28.9% |
| 单次透射比*τ*i | | | 29% | 29% | 29% |
| 样品编号 | | **191130** | | 扩展不确定度 | |
| 透射比*τ* | | 29.3% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 70.7% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 91.4% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.1% | | */* | |
| 正反差别 | | 0.0% | | */* | |

附录2 原始记录28

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | 2140239 | |
| 生产厂家 | 南华仪器有限公司 | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 24 | 41 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 68.8% | 69.0% | 69.4% |
| 635nm | 0.21700 | | 69.2% | 69.2% | 69.2% |
| 625nm | 0.32100 | | 69.2% | 69.2% | 69.5% |
| 615nm | 0.44120 | | 69.6% | 69.9% | 69.8% |
| 605nm | 0.56680 | | 68.9% | 69.1% | 69.3% |
| 595nm | 0.69490 | | 69.0% | 69.3% | 69.3% |
| 585nm | 0.81630 | | 69.6% | 69.7% | 69.8% |
| 575nm | 0.91540 | | 70.3% | 70.4% | 70.4% |
| 565nm | 0.97860 | | 70.8% | 71.0% | 71.2% |
| 555nm | 1.00000 | | 71.0% | 71.1% | 71.3% |
| 545nm | 0.98030 | | 70.9% | 71.1% | 71.3% |
| 535nm | 0.91485 | | 70.8% | 71.1% | 70.9% |
| 525nm | 0.79320 | | 70.6% | 70.6% | 70.9% |
| 515nm | 0.60820 | | 70.3% | 70.3% | 70.3% |
| 505nm | 0.40730 | | 70.3% | 70.2% | 70.2% |
| 495nm | 0.25860 | | 70.6% | 70.5% | 70.5% |
| 485nm | 0.16930 | | 70.5% | 70.6% | 70.5% |
| 475nm | 0.11260 | | 70.9% | 71.0% | 70.9% |
| 单次透射比*τ*i | | | 70% | 70% | 70% |
| 样品编号 | | **2140239** | | 扩展不确定度 | |
| 透射比*τ* | | 70.3% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 29.7% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 50.5% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.1% | | */* | |
| 正反差别 | | 0.2% | | */* | |

附录2 原始记录29

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 型号规格 | / | | 出厂编号 | FL-B1759 | |
| 生产厂家 | GZFULI | | | | |
| 校准地点 | 邕宁-2号楼-612房 | | 环境条件 | 26 | 32 |
|  |  |  |  |  |  |
| 测量条件：波长范围645 nm~475 nm，扫描间隔10 nm，光谱带宽2 nm，积分时间1 s，光通道有效长度取0.215 m | | | | | |
| 测量波长 | 明视觉函数 | | 透射比曲线 |  |  |
| 1 | 2 | 3 |
| 645nm | 0.13820 | | 63.9% | 63.9% | 63.9% |
| 635nm | 0.21700 | | 64.6% | 64.6% | 64.6% |
| 625nm | 0.32100 | | 65.2% | 65.2% | 65.2% |
| 615nm | 0.44120 | | 65.4% | 65.4% | 65.4% |
| 605nm | 0.56680 | | 65.5% | 65.5% | 65.5% |
| 595nm | 0.69490 | | 65.8% | 65.8% | 65.8% |
| 585nm | 0.81630 | | 66.7% | 66.7% | 66.7% |
| 575nm | 0.91540 | | 67.8% | 67.8% | 67.8% |
| 565nm | 0.97860 | | 68.5% | 68.5% | 68.6% |
| 555nm | 1.00000 | | 68.6% | 68.6% | 68.7% |
| 545nm | 0.98030 | | 68.5% | 68.5% | 68.5% |
| 535nm | 0.91485 | | 68.3% | 68.3% | 68.3% |
| 525nm | 0.79320 | | 68.0% | 68.0% | 68.0% |
| 515nm | 0.60820 | | 67.8% | 67.8% | 67.8% |
| 505nm | 0.40730 | | 67.5% | 67.5% | 67.5% |
| 495nm | 0.25860 | | 67.4% | 67.3% | 67.4% |
| 485nm | 0.16930 | | 67.5% | 67.5% | 67.5% |
| 475nm | 0.11260 | | 67.8% | 67.8% | 67.8% |
| 单次透射比*τ*i | | | 67% | 67% | 67% |
| 样品编号 | | **FL-B1759** | | 扩展不确定度 | |
| 透射比*τ* | | 67.4% | | *U*= 0.1%，*k*=2 | |
| 吸收比*N* | | 32.6% | | *U*= 0.1%，*k*=2 | |
| 标准光通道有效长度的吸收比*N*s | | 54.6% | | *U*= 0.2%，*k*=2 | |
| 均匀性 | | 0.0% | | */* | |
| 正反差别 | | 0.0% | | */* | |