

Ostwald optimal colours (o), maximum (m)  $C_{AB}$  for D50,  $Y_N=3.6$ ,  $Y_W=90$ ,  $Y_m=520\_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|-------|-------|-------|--------|--------|--------|----------|------------------|------------------|------|
| 1 405            | 32 564           | 26.33 | 48.45 | 66.13 | 0.1869 | 0.3438 | 0.4692 | 185.2    | 17 486           | 38 592           | Cm   |
| 7 435            | 33 565           | 23.41 | 48.25 | 52.04 | 0.1892 | 0.39   | 0.4207 | 168.6    | 18 490           | 46 631           |      |
| 10 450           | 33 566           | 20.93 | 48.75 | 35.69 | 0.1986 | 0.4625 | 0.3387 | 144.6    | 19 497           | -1 497c          |      |
| 12 460           | 33 567           | 19.83 | 49.37 | 24.66 | 0.2113 | 0.5259 | 0.2626 | 128.7    | 21 506           | -1 506c          |      |
| 13 465           | 33 568           | 19.81 | 50.0  | 19.91 | 0.2208 | 0.5572 | 0.2218 | 122.1    | 22 512           | -1 512c          |      |
| 14 470           | 34 570           | 19.94 | 50.5  | 15.93 | 0.2308 | 0.5846 | 0.1844 | 116.9    | 23 519           | -1 519c          |      |
| 15 475           | 34 573           | 21.53 | 52.24 | 12.71 | 0.2489 | 0.604  | 0.1469 | 111.4    | 25 527           | -1 527c          | Gm   |
| 15 480           | 35 578           | 24.67 | 55.34 | 12.71 | 0.266  | 0.5968 | 0.1371 | 108.4    | 26 532           | -1 532c          |      |
| 17 485           | 37 587           | 30.59 | 59.41 | 8.37  | 0.3109 | 0.6039 | 0.0851 | 98.0     | 28 544           | -1 544c          |      |
| 18 490           | 44 620           | 53.95 | 71.6  | 6.98  | 0.407  | 0.5402 | 0.0526 | 71.3     | 32 561           | -1 561c          |      |
| 19 495           | -1 495c          | 67.75 | 76.06 | 5.88  | 0.4525 | 0.5081 | 0.0393 | 54.4     | 33 568           | 12 463           | max  |
| 20 500           | -1 500c          | 67.73 | 74.76 | 5.02  | 0.4591 | 0.5067 | 0.034  | 52.5     | 33 569           | 13 466           |      |
| 22 510           | -1 510c          | 67.65 | 71.15 | 3.88  | 0.4741 | 0.4986 | 0.0272 | 47.4     | 34 571           | 14 471           |      |
| 23 520           | -1 519c          | 67.48 | 68.78 | 3.54  | 0.4826 | 0.492  | 0.0253 | 44.2     | 34 572           | 14 473           | Ym   |
| 25 530           | -1 529c          | 66.65 | 62.96 | 3.11  | 0.5021 | 0.4743 | 0.0234 | 36.4     | 35 575           | 15 477           |      |
| 27 540           | -1 539c          | 64.95 | 56.11 | 2.88  | 0.524  | 0.4527 | 0.0232 | 27.8     | 35 579           | 16 480           |      |
| 28 545           | -1 544c          | 63.73 | 52.49 | 2.81  | 0.5353 | 0.4409 | 0.0236 | 23.4     | 36 581           | 16 481           |      |
| 29 550           | -1 549c          | 62.23 | 48.77 | 2.77  | 0.5469 | 0.4286 | 0.0244 | 19.1     | 36 583           | 16 483           |      |
| 30 555           | -1 554c          | 60.45 | 45.01 | 2.74  | 0.5586 | 0.4159 | 0.0254 | 15.0     | 37 585           | 16 484           |      |
| 32 560           | -1 560c          | 56.05 | 37.66 | 2.71  | 0.5812 | 0.3905 | 0.0281 | 7.7      | 38 590           | 17 486           |      |
| 32 564           | 1 405            | 60.44 | 41.54 | 8.11  | 0.5489 | 0.3773 | 0.0736 | 5.2      | 38 592           | 17 486           | Rm   |
| 33 565           | 7 435            | 63.36 | 41.74 | 22.19 | 0.4977 | 0.3279 | 0.1743 | 348.6    | 46 631           | 18 490           |      |
| 33 566           | 10 450           | 65.84 | 41.24 | 38.54 | 0.452  | 0.2832 | 0.2646 | 324.7    | -1 497c          | 19 497           |      |
| 33 567           | 12 460           | 66.94 | 40.62 | 49.58 | 0.4259 | 0.2585 | 0.3155 | 308.7    | -1 506c          | 21 506           |      |
| 33 568           | 13 465           | 66.96 | 39.99 | 54.33 | 0.4151 | 0.2479 | 0.3368 | 302.1    | -1 512c          | 22 512           |      |
| 34 570           | 14 470           | 66.83 | 39.49 | 58.3  | 0.4059 | 0.2398 | 0.3541 | 296.9    | -1 519c          | 23 519           |      |
| 34 573           | 15 475           | 65.25 | 37.75 | 61.53 | 0.3965 | 0.2294 | 0.3739 | 291.5    | -1 527c          | 25 527           | Mm   |
| 35 578           | 15 480           | 62.1  | 34.65 | 61.52 | 0.3923 | 0.2189 | 0.3887 | 288.5    | -1 532c          | 26 532           |      |
| 37 587           | 17 485           | 56.18 | 30.58 | 65.87 | 0.368  | 0.2003 | 0.4315 | 278.0    | -1 544c          | 28 544           |      |
| 44 620           | 18 490           | 32.82 | 18.39 | 67.26 | 0.277  | 0.1552 | 0.5677 | 251.3    | -1 561c          | 32 561           |      |
| -1 495c          | 19 495           | 19.02 | 13.93 | 68.36 | 0.1877 | 0.1375 | 0.6746 | 234.4    | 12 463           | 33 568           | min  |
| -1 500c          | 20 500           | 19.04 | 15.23 | 69.22 | 0.1839 | 0.1471 | 0.6688 | 232.5    | 13 466           | 33 569           |      |
| -1 510c          | 22 510           | 19.13 | 18.84 | 70.36 | 0.1765 | 0.1739 | 0.6494 | 227.5    | 14 471           | 34 571           |      |
| -1 519c          | 23 520           | 19.29 | 21.21 | 70.7  | 0.1735 | 0.1907 | 0.6357 | 224.2    | 14 473           | 34 572           | Bm   |
| -1 529c          | 25 530           | 20.12 | 27.03 | 71.13 | 0.1701 | 0.2285 | 0.6013 | 216.5    | 15 477           | 35 575           |      |
| -1 539c          | 27 540           | 21.82 | 33.88 | 71.36 | 0.1717 | 0.2666 | 0.5615 | 207.8    | 16 480           | 35 579           |      |
| -1 544c          | 28 545           | 23.04 | 37.5  | 71.42 | 0.1746 | 0.2841 | 0.5412 | 203.5    | 16 481           | 36 581           |      |
| -1 549c          | 29 550           | 24.54 | 41.22 | 71.47 | 0.1788 | 0.3004 | 0.5207 | 199.2    | 16 483           | 36 583           |      |
| -1 554c          | 30 555           | 26.32 | 44.98 | 71.49 | 0.1843 | 0.315  | 0.5006 | 195.0    | 16 484           | 37 585           |      |
| -1 560c          | 32 560           | 30.72 | 52.33 | 71.52 | 0.1987 | 0.3385 | 0.4627 | 187.7    | 17 486           | 38 590           |      |
| W0 380           | 770              | 86.78 | 90.0  | 74.24 | 0.3457 | 0.3585 | 0.2957 | 0.0      |                  |                  |      |
| N0 380           | 770              | 3.47  | 3.6   | 2.96  | 0.3457 | 0.3585 | 0.2957 | 0.0      |                  |                  |      |

TUB-test chart DEF3; Ostwald optimal colours,  $Y_N=3.6$ ,  $Y_W=90$ , illuminant D50, CIE-02-degree  
Ostwald optimal colour data: XYZ and eight different colour diagrams,

