



Refractive Index Liquid **Series AA**
 Refractive Index **1.45800** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.446154E+00 B 4.0076E+03 C 3.6878860E+07

Cauchy Equation at 25°C $A + B / \lambda^2 + C / \lambda^4$ (λ = Wavelength in nm)

| Wavelength (nm) | Refractive Index | Transmittance | | | |
|-----------------|------------------|---------------|------|------|-------|
| | | 0.1 mm | 1 mm | 1 cm | 10 cm |
| 225.0 | - | - | - | - | - |
| 240.0 | - | - | - | - | - |
| 250.0 | - | - | - | - | - |
| 270.0 | - | - | - | - | - |
| 290.0 | - | - | - | - | - |
| 308.0 | - | - | - | - | - |
| 355.0 | 1.480 | 100 | 99 | 87 | 24 |
| 365.0 | 1.478 | 100 | 100 | 97 | 73 |
| 406.0 | 1.4718 | 100 | 100 | 98 | 83 |
| 473.0 | 1.4648 | 100 | 100 | 99 | 93 |
| 532.0 | 1.4608 | 100 | 100 | 99 | 95 |
| 589.3 | 1.4580 | 100 | 100 | 99 | 95 |
| 632.8 | 1.4564 | 100 | 100 | 99 | 95 |
| 656.3 | 1.4557 | 100 | 100 | 100 | 95 |
| 790.0 | 1.4527 | 100 | 100 | 100 | 99 |
| 828.0 | 1.4521 | 100 | 100 | 100 | 96 |
| 981.0 | 1.450 | 100 | 99 | 95 | 57 |
| 1310.0 | 1.449 | 100 | 99 | 88 | 28 |
| 1550.0 | 1.448 | 100 | 98 | 81 | 12 |
| 2500.0 | - | - | - | - | - |
| 3700.0 | - | - | - | - | - |

($n_F - n_C$) 0.0081

Abbe v_D 56.4

Temp. Coefficient -0.000388 dn_D/dt (15 - 35 °C)

Shelf Life: 5 Years from Date of Manufacture for Unopened Bottles, Half the Remaining Time after Opening