



Refractive Index Liquid **Series A**
 Refractive Index **1.61000** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.578761E+00 B 9.1533E+03 C 5.8872270E+08

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	-	-	-	-	-
365.0	1.681	97	74	5	0
406.0	1.6560	99	92	45	0
473.0	1.6314	100	99	88	28
532.0	1.6185	100	100	96	70
589.3	1.6100	100	100	98	82
632.8	1.6053	100	100	99	86
656.3	1.6032	100	100	99	89
790.0	1.5949	100	100	99	90
828.0	1.5934	100	100	99	93
981.0	1.589	100	100	98	83
1310.0	1.584	100	99	93	46
1550.0	1.583	100	99	89	30
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0249

Abbe v_D 24.5

Temp. Coefficient -0.000443 dn_D/dt (15 - 35 °C)

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