



Refractive Index Liquid **Series B**
 Refractive Index **1.64400** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.607073E+00 B 1.0403E+04 C 8.4070888E+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	1.733	98	84	18	0
406.0	1.7011	99	94	54	0
473.0	1.6704	100	99	87	26
532.0	1.6543	100	100	97	73
589.3	1.6440	100	100	98	82
632.8	1.6383	100	100	98	83
656.3	1.6358	100	100	98	83
790.0	1.6259	100	100	98	84
828.0	1.6240	100	100	99	88
981.0	1.619	100	100	99	89
1310.0	1.613	100	99	94	56
1550.0	1.612	100	99	92	43
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0304

Abbe v_D 21.2

Temp. Coefficient -0.000462 dn_D/dt (15 - 35 °C)

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