





Refractive Index Liquid **Series B**  
 Refractive Index **1.64200** at 589.3 nm and 25 °C

Cauchy Coefficients  
 A 1.605408E+00 B 1.0329E+04 C 8.2588616E+08

Cauchy Equation at 25°C  $A + B / \lambda^2 + C / \lambda^4$  ( $\lambda$  = 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	1.729	98	83	16	0
406.0	1.6985	99	94	54	0
473.0	1.6681	100	99	87	26
532.0	1.6522	100	100	97	72
589.3	1.6420	100	100	98	82
632.8	1.6364	100	100	98	83
656.3	1.6338	100	100	98	84
790.0	1.6241	100	100	98	84
828.0	1.6222	100	100	99	88
981.0	1.617	100	100	99	88
1310.0	1.612	100	99	94	55
1550.0	1.610	100	99	92	42
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

( $n_F - n_C$ ) 0.0301

Abbe  $v_D$  21.3

Temp. Coefficient -0.000461  $dn_D/dt$  (15 - 35 °C)

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