





Refractive Index Liquid **Series A**  
 Refractive Index **1.56600** at 589.3 nm and 25 °C

Cauchy Coefficients  
 A: 1.541794E+00  
 B: 7.5601E+03  
 C: 2.9381513E+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	1.620	74	5	0	0
365.0	1.615	96	66	2	0
406.0	1.5985	99	91	39	0
473.0	1.5815	100	99	90	33
532.0	1.5722	100	100	96	68
589.3	1.5660	100	100	98	82
632.8	1.5625	100	100	99	91
656.3	1.5609	100	100	100	95
790.0	1.5547	100	100	100	98
828.0	1.5534	100	100	100	99
981.0	1.550	100	100	97	76
1310.0	1.546	100	99	90	36
1550.0	1.545	100	98	85	19
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

( $n_F - n_C$ ) 0.0181

Abbe  $v_D$  31.2

Temp. Coefficient -0.000420  $dn_D/dt$  (15 - 35 °C)

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