





Refractive Index Liquid **Series A**  
 Refractive Index **1.59600** at 589.3 nm and 25 °C

Cauchy Coefficients  
 A 1.567103E+00 B 8.6387E+03 C 4.8496369E+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	1.659	97	71	3	0
406.0	1.6374	99	92	42	0
473.0	1.6154	100	99	88	29
532.0	1.6037	100	100	96	68
589.3	1.5960	100	100	98	82
632.8	1.5917	100	100	99	88
656.3	1.5898	100	100	99	91
790.0	1.5822	100	100	99	93
828.0	1.5807	100	100	99	95
981.0	1.577	100	100	98	81
1310.0	1.572	100	99	92	42
1550.0	1.571	100	99	87	25
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

( $n_F - n_C$ ) 0.0226

Abbe  $v_D$  26.4

Temp. Coefficient -0.000435  $dn_D/dt$  (15 - 35 °C)

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