



Refractive Index Liquid **Series A**
 Refractive Index **1.64000** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.603742E+00 B 1.0256E+04 C 8.1106344E+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	1.726	98	83	15	0
406.0	1.6958	99	94	53	0
473.0	1.6658	100	99	87	26
532.0	1.6501	100	100	97	72
589.3	1.6400	100	100	98	82
632.8	1.6344	100	100	98	83
656.3	1.6319	100	100	98	84
790.0	1.6223	100	100	98	85
828.0	1.6204	100	100	99	88
981.0	1.615	100	100	99	88
1310.0	1.610	100	99	94	55
1550.0	1.608	100	99	91	41
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0297

Abbe v_D 21.5

Temp. Coefficient -0.000460 dn_D/dt (15 - 35 °C)

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