



Refractive Index Liquid **Series A**
 Refractive Index **1.51600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A: 1.497516E+00
 B: 5.9154E+03
 C: 1.7486315E+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	1.555	85	19	0	0
365.0	1.552	98	80	11	0
406.0	1.5398	99	95	60	1
473.0	1.5274	100	99	94	53
532.0	1.5206	100	100	98	79
589.3	1.5160	100	100	99	88
632.8	1.5134	100	100	99	93
656.3	1.5122	100	100	100	95
790.0	1.5074	100	100	100	99
828.0	1.5065	100	100	100	98
981.0	1.504	100	100	96	67
1310.0	1.501	100	99	89	32
1550.0	1.500	100	98	83	16
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0135

Abbe v_D 38.3

Temp. Coefficient -0.000405 dn_D/dt (15 - 35 °C)

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