



Refractive Index Liquid **Series A**
 Refractive Index **1.48800** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.472721E+00 B 4.9944E+03 C 1.0825005E+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	1.519	92	42	0	0
365.0	1.516	99	89	31	0
406.0	1.5070	100	97	76	6
473.0	1.4972	100	100	96	70
532.0	1.4917	100	100	99	86
589.3	1.4880	100	100	99	91
632.8	1.4859	100	100	99	94
656.3	1.4849	100	100	100	95
790.0	1.4810	100	100	100	99
828.0	1.4802	100	100	100	97
981.0	1.478	100	100	95	62
1310.0	1.476	100	99	89	30
1550.0	1.475	100	98	82	14
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0109

Abbe v_D 44.8

Temp. Coefficient -0.000397 dn_D/dt (15 - 35 °C)

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