



Refractive Index Liquid **Series A**
 Refractive Index **1.53200** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.511685E+00 B 6.4417E+03 C 2.1292779E+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	1.576	81	12	0	0
365.0	1.572	97	75	6	0
406.0	1.5586	99	94	52	0
473.0	1.5447	100	99	92	46
532.0	1.5371	100	100	97	75
589.3	1.5320	100	100	99	86
632.8	1.5291	100	100	99	92
656.3	1.5278	100	100	100	95
790.0	1.5226	100	100	100	98
828.0	1.5215	100	100	100	98
981.0	1.519	100	100	96	70
1310.0	1.516	100	99	90	33
1550.0	1.514	100	98	84	17
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0150

Abbe v_D 35.5

Temp. Coefficient -0.000410 dn_D/dt (15 - 35 °C)

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