



Refractive Index Liquid **Series A**
 Refractive Index **1.53400** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.513456E+00 B 6.5075E+03 C 2.1768586E+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	1.579	81	12	0	0
365.0	1.575	97	75	5	0
406.0	1.5609	99	94	51	0
473.0	1.5469	100	99	92	45
532.0	1.5392	100	100	97	75
589.3	1.5340	100	100	98	86
632.8	1.5311	100	100	99	92
656.3	1.5297	100	100	100	95
790.0	1.5244	100	100	100	98
828.0	1.5234	100	100	100	98
981.0	1.520	100	100	96	70
1310.0	1.517	100	99	90	34
1550.0	1.516	100	98	84	17
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0152

Abbe v_D 35.2

Temp. Coefficient -0.000411 dn_D/dt (15 - 35 °C)

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