



Refractive Index Liquid **Series A**
 Refractive Index **1.53600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.515227E+00 B 6.5733E+03 C 2.2244394E+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	1.581	80	11	0	0
365.0	1.577	97	74	5	0
406.0	1.5633	99	93	50	0
473.0	1.5491	100	99	92	44
532.0	1.5412	100	100	97	74
589.3	1.5360	100	100	98	86
632.8	1.5330	100	100	99	92
656.3	1.5317	100	100	100	95
790.0	1.5263	100	100	100	98
828.0	1.5253	100	100	100	98
981.0	1.522	100	100	97	70
1310.0	1.519	100	99	90	34
1550.0	1.518	100	98	84	17
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0153

Abbe v_D 34.9

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