



Refractive Index Liquid **Series A**
 Refractive Index **1.47200** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.458552E+00 B 4.4681E+03 C 7.0185413E+07

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	1.498	96	67	2	0
365.0	1.496	99	95	57	0
406.0	1.4882	100	99	87	25
473.0	1.4799	100	100	98	81
532.0	1.4752	100	100	99	91
589.3	1.4720	100	100	99	93
632.8	1.4701	100	100	99	95
656.3	1.4693	100	100	100	95
790.0	1.4659	100	100	100	99
828.0	1.4652	100	100	100	96
981.0	1.463	100	99	95	59
1310.0	1.461	100	99	88	29
1550.0	1.460	100	98	81	13
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0094

Abbe v_D 50.1

Temp. Coefficient -0.000392 dn_D/dt (15 - 35 °C)

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