



Refractive Index Liquid **Series A**
 Refractive Index **1.46600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A: 1.453239E+00
 B: 4.2707E+03
 C: 5.5911176E+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	1.491	98	79	9	0
365.0	1.488	100	97	72	4
406.0	1.4812	100	99	92	42
473.0	1.4734	100	100	99	86
532.0	1.4690	100	100	99	93
589.3	1.4660	100	100	99	94
632.8	1.4643	100	100	99	95
656.3	1.4635	100	100	100	95
790.0	1.4602	100	100	100	99
828.0	1.4596	100	100	100	96
981.0	1.458	100	99	95	58
1310.0	1.456	100	99	88	28
1550.0	1.455	100	98	81	13
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0089

Abbe v_D 52.6

Temp. Coefficient -0.000391 dn_D/dt (15 - 35 °C)

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