



Refractive Index Liquid **Series A**
 Refractive Index **1.62600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A: 1.592084E+00
 B: 9.7413E+03
 C: 7.0730443E+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	-	-	-	-	-
365.0	1.705	98	79	9	0
406.0	1.6772	99	93	49	0
473.0	1.6498	100	99	88	27
532.0	1.6353	100	100	97	71
589.3	1.6260	100	100	98	82
632.8	1.6208	100	100	98	85
656.3	1.6185	100	100	99	86
790.0	1.6095	100	100	99	87
828.0	1.6078	100	100	99	90
981.0	1.603	100	100	98	86
1310.0	1.598	100	99	93	50
1550.0	1.596	100	99	90	35
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0275

Abbe v_D 22.8

Temp. Coefficient -0.000452 dn_D/dt (15 - 35 °C)

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