



Refractive Index Liquid **Series A**
 Refractive Index **1.63600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.600411E+00 B 1.0109E+04 C 7.8141801E+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	1.720	98	82	13	0
406.0	1.6905	99	94	52	0
473.0	1.6612	100	99	87	26
532.0	1.6459	100	100	97	72
589.3	1.6360	100	100	98	82
632.8	1.6305	100	100	98	84
656.3	1.6281	100	100	98	85
790.0	1.6186	100	100	98	85
828.0	1.6168	100	100	99	89
981.0	1.612	100	100	99	87
1310.0	1.607	100	99	94	53
1550.0	1.605	100	99	91	39
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0291

Abbe v_D 21.9

Temp. Coefficient -0.000458 dn_D/dt (15 - 35 °C)

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