



Refractive Index Liquid **Series A**
 Refractive Index **1.59200** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.563772E+00 B 8.4917E+03 C 4.5531826E+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	1.653	96	70	3	0
406.0	1.6320	99	92	41	0
473.0	1.6108	100	99	89	30
532.0	1.5995	100	100	96	68
589.3	1.5920	100	100	98	82
632.8	1.5878	100	100	99	88
656.3	1.5859	100	100	99	92
790.0	1.5785	100	100	99	94
828.0	1.5771	100	100	100	96
981.0	1.573	100	100	98	80
1310.0	1.569	100	99	92	41
1550.0	1.567	100	99	87	24
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0219

Abbe v_D 27.0

Temp. Coefficient -0.000433 dn_D/dt (15 - 35 °C)

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