



Refractive Index Liquid **Series A**
 Refractive Index **1.58600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.558776E+00 B 8.2712E+03 C 4.1085011E+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	1.644	96	68	2	0
406.0	1.6241	99	91	40	0
473.0	1.6040	100	99	89	30
532.0	1.5931	100	100	96	68
589.3	1.5860	100	100	98	82
632.8	1.5820	100	100	99	89
656.3	1.5802	100	100	99	93
790.0	1.5731	100	100	100	95
828.0	1.5717	100	100	100	97
981.0	1.568	100	100	98	80
1310.0	1.564	100	99	91	40
1550.0	1.562	100	99	86	23
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0209

Abbe v_D 28.0

Temp. Coefficient -0.000430 dn_D/dt (15 - 35 °C)

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