



Refractive Index Liquid **Series A**
 Refractive Index **1.63200** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.597081E+00 B 9.9618E+03 C 7.5177258E+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	1.714	98	80	11	0
406.0	1.6852	99	93	51	0
473.0	1.6566	100	99	88	26
532.0	1.6417	100	100	97	72
589.3	1.6320	100	100	98	82
632.8	1.6266	100	100	98	84
656.3	1.6243	100	100	98	85
790.0	1.6150	100	100	99	86
828.0	1.6132	100	100	99	89
981.0	1.608	100	100	99	87
1310.0	1.603	100	99	94	52
1550.0	1.601	100	99	91	37
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0284

Abbe v_D 22.2

Temp. Coefficient -0.000456 dn_D/dt (15 - 35 °C)

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