



Refractive Index Liquid **Series AAA**
 Refractive Index **1.38000** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.371395E+00 B 3.1434E+03 C -5.3863769E+07

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	1.41	99	89	30	0
250.0	1.41	99	94	52	0
270.0	1.40	100	97	74	5
290.0	1.40	100	98	83	16
308.0	1.40	100	99	88	29
355.0	1.393	100	99	94	51
365.0	1.392	100	100	96	69
406.0	1.3885	100	100	97	75
473.0	1.3844	100	100	99	92
532.0	1.3818	100	100	99	92
589.3	1.3800	100	100	99	94
632.8	1.3789	100	100	100	96
656.3	1.3784	100	100	100	96
790.0	1.3763	100	100	100	97
828.0	1.3759	100	100	100	97
981.0	1.375	100	100	100	97
1310.0	1.373	100	100	100	97
1550.0	1.373	100	100	99	94
2500.0	1.37	100	99	94	52
3700.0	1.37	99	88	26	0

($n_F - n_C$) 0.0053

Abbe v_D 71.3

Temp. Coefficient -0.000343 dn_D/dt (15 - 35 °C)

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