



Refractive Index Liquid **Series AAA**
 Refractive Index **1.38500** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.376260E+00 B 3.1763E+03 C -4.9025981E+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	1.42	99	88	29	0
250.0	1.41	99	94	51	0
270.0	1.41	100	97	73	4
290.0	1.41	100	98	82	14
308.0	1.40	100	99	88	27
355.0	1.398	100	99	93	49
365.0	1.397	100	100	96	67
406.0	1.3937	100	100	97	74
473.0	1.3895	100	100	99	92
532.0	1.3869	100	100	99	92
589.3	1.3850	100	100	99	94
632.8	1.3839	100	100	100	96
656.3	1.3834	100	100	100	96
790.0	1.3812	100	100	100	97
828.0	1.3808	100	100	100	97
981.0	1.380	100	100	100	97
1310.0	1.378	100	100	100	97
1550.0	1.378	100	100	99	94
2500.0	1.38	100	99	94	54
3700.0	1.38	99	89	30	0

($n_F - n_C$) 0.0055

Abbe v_D 70.6

Temp. Coefficient -0.000344 dn_D/dt (15 - 35 °C)

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