



Refractive Index Liquid **Series AA**
 Refractive Index **1.45600** at 589.3 nm and 25 °C

Cauchy Coefficients
 A 1.444195E+00 B 4.0028E+03 C 3.3660855E+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	1.54	94	52	0	0
240.0	1.52	99	88	28	0
250.0	1.52	99	94	51	0
270.0	1.51	99	90	33	0
290.0	1.50	100	98	84	17
308.0	1.49	100	98	84	17
355.0	1.478	100	100	98	82
365.0	1.476	100	100	99	86
406.0	1.4697	100	100	99	86
473.0	1.4628	100	100	99	93
532.0	1.4588	100	100	100	95
589.3	1.4560	100	100	100	95
632.8	1.4544	100	100	100	95
656.3	1.4537	100	100	100	95
790.0	1.4507	100	100	100	99
828.0	1.4501	100	100	100	96
981.0	1.448	100	99	95	57
1310.0	1.447	100	99	88	29
1550.0	1.446	100	98	80	11
2500.0	-	-	-	-	-
3700.0	-	-	-	-	-

($n_F - n_C$) 0.0081

Abbe v_D 56.5

Temp. Coefficient -0.000389 dn_D/dt (15 - 35 °C)

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