
Refractive Indices of
Cargille Laser Liquid

Code 5610 Lot : 011673

Po No. SA9-42244

May 27 1999
Measurement Service Center
OHARA INC.

1. Measurement Conditions for Refractive Indices of Cargille Laser Liquid Code 5610

Measuring equipment: Refractometer: Carl Zeiss Jena Model PR-2
 Thermostat: HAAKE Circulator N3-R

Measuring method: V-Block method
 Detector: CCD camera

2. Refractive Indices of Cargille Laser Liquid Code 5610

Table 1 shows the measurement results of **Cargille Laser Liquid Code 5610, Lot: 011673**.

Table 1. Refractive indices of **Cargille Laser Liquid Code 5610, Lot: 011673** in air.

Temp.(deg C)	Spectral Lines					
	t	C'	d	e	F'	g
	1013.98nm	643.847nm	587.562nm	546.075nm	479.992nm	435.835nm
25.0	1.4865 ₉	1.4967 ₄	1.5002 ₂	1.5035 ₈	1.5110 ₈	1.5184 ₉
16.0	1.4900 ₁	1.5002 ₄	1.5037 ₄	1.5071 ₂	1.5146 ₆	1.5221 ₂
8.0	1.4930 ₅	1.5033 ₃	1.5068 ₇	1.5102 ₆	1.5178 ₅	1.5253 ₆
0.0	1.4961 ₁	1.5064 ₂	1.5100 ₃	1.5133 ₈	1.5210 ₁	1.5285 ₈
-10.0	1.4999 ₈	1.5104 ₁	1.5140 ₁	1.5174 ₀	1.5251 ₀	1.5327 ₄
-15.0	1.5019 ₃	1.5123 ₉	1.5159 ₉	1.5194 ₁	1.5271 ₄	1.5348 ₇

Measuring accuracy: $<\pm 1 \times 10^{-4}$ estimated at 25 deg C.

Temperature stability of liquid was held to within ± 0.1 deg C

Measurement Service Center, May. 27 1999

Measured by
 (Measurement Engineer)

Masahiko Daimonn

Approved by Akira Masumura
 (Leader of M.S. Center)

