

Refractive index measurement

Kyoto Electronics Manufacturing Co.,Ltd.

Data No.NR08-06193

Refractive index of perfume**-Measuring instrument-**

Main unit: RA-520N Refractometer

-Solvent-

Solvent: Acetone

-Measurement method-

- (1) Factor calibration was performed using pure water.
- (2) Dropped a few drops of sample using a dropping pipette.
- (3) Measured R.I.(refractive index)
- (4) Wiped off the sample by tissue paper, and cleaned prism surface by acetone.

Measurement temperature: 20.0℃

-Concentration conversion-

▪ No conversion for concentration

-Ambient condition-

Ambient: 26.0 ℃

Humidity: 48 %

Weather: Fine

-Measurement parameter-

[MEAS. PARA]

Date :06/10/30 19:07
 Method : 2
 Meas.Temp : 20.00 C
 Stability : 1
 Limit Time: 600 sec
 Sequence : 00000

[CALCU. PARA]

Date :06/10/30 19:07
 Method : 2
 Result : nD

[Zero Point Calib.]

Model:RA-520N
 S/N :
 Date : 06/10/30 14:51
 Temp : 20.00 C

Old New
 1.33304 ---→ 1.33299

-Printout data-

No. 01-01

Date : 06/10/30 14:56
 Temp : 20.00 C
 M.Time : 00:00:21
 nD : 1.49294

No. 01-02

Date : 06/10/30 15:00
 Temp : 20.00 C
 M.Time : 00:00:41
 nD : 1.49313

No. 01-03

Date : 06/10/30 15:03
 Temp : 20.00 C
 M.Time : 00:00:38
 nD : 1.49302

-Measurement results-

Sample:	A	B	C
Measured data:	1.49294	1.49313	1.49302

-Comment-

* Perfume products can easily be quality controlled by combined measurement using density meter and refractive index. Also, automation of continuous measurement of plural number of sample is possible by CHD Multiple Sample Changer.