

## Technical Data Sheet

### Refractive index standards Certipur®

according to Ph Eur.

These standards are for the calibration of refractometers. We offer different refractive index standards in order to perform calibration in the same range as the final measurement.

#### Benefits:

- Stable solutions with minimum shelf life of 3 years
- Ready-to-use solutions
- Each standard kit is packed with a certificate of analysis
- Applicable at 20°C and 25°C measuring temperature
- According to Ph Eur. 2.2.6

Each box contains 5 x 8ml ampoules of the standard solution and 5 x 8ml ampoules with water.

#### Refractive index standard kit 1:

	$n_D^{20}$	$n_D^{25}$
Isooctane	1.3915	1.3890
Water	1.3330	1.3324

#### Refractive index standard kit 2:

	$n_D^{20}$	$n_D^{25}$
Toluene	1.4969	1.4940
Water	1.3330	1.3324

#### Refractive index standard kit 3:

	$n_D^{20}$	$n_D^{25}$
1- Methyl-naphthalene	1.6160	1.6138
Water	1.3330	1.3324

Measured by means of an Abbé-type refractometer at a wavelength of 589,3nm at 20°C and 25°C.



#### Ordering Information:

#### Ordering Number:

Refractive Index Standard Kit 1	1.08962.0001
Refractive Index Standard Kit 2	1.08961.0001
Refractive Index Standard Kit 3	1.08963.0001

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**Instructions for  
use:**

- 1.) Open ampoule at the point of break marked.
- 2.) Rinse a suitable pipette, e.g. Pasteur pipette of glass / plastic syringe with the reference material. Then draw up the reference material and place it on the cleaned measuring surface of the refractometer.
- 3.) The measurement is performed acc. to recommendations given by the instrument manufacturer (consider stability of temperature).