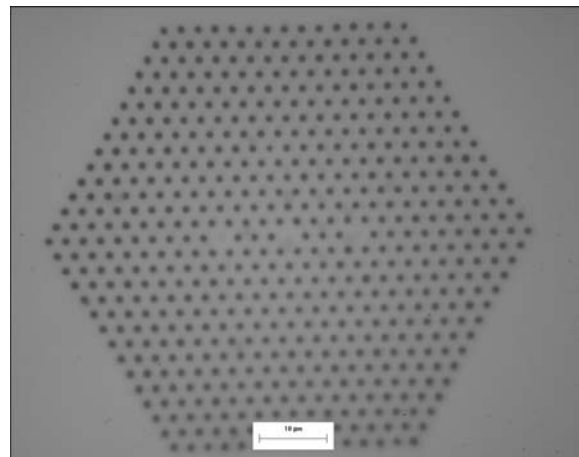
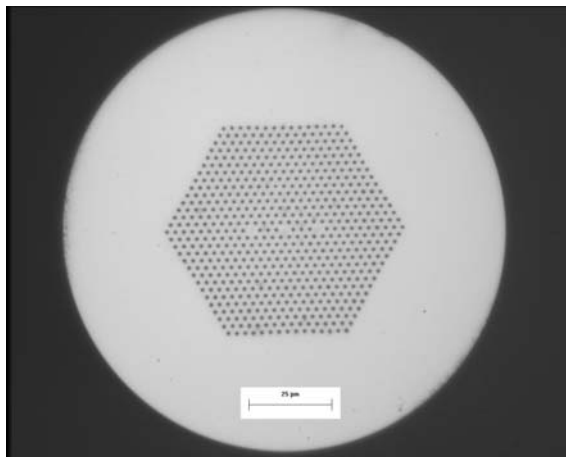


Crystal Fibre A/S  
 Blokken 84  
 DK-3460 Birkerød  
 Denmark  
 Phone : ++45 43 48 28 00  
 Fax: ++45 43 48 28 01

# Certificate of Conformity

<b>Certificate No.</b>	: CERT#990789A	<b>Date</b>	: 25 April 2005
<b>Product</b>	: Multicore fiber – 3 cores on line spaced 4 times the pitch		
<b>Purchased by</b>	: OIDA, fiber #2		

## Fiber geometry



Parameter	Unit	Measured	Specification
Cladding diameter	[µm]	133.0 ± 2	130 ± 20
Coating diameter	[µm]	248.0 ± 2	260 ± 20
Period <sup>1</sup>	[µm]	2.52	2.5 ± 0.05
Standard deviation – period <sup>1</sup>	[µm]	0.02	-
Hole Diameter <sup>1</sup>	[µm]	1.10	1.1 ± 0.1
Standard deviation – Hole diameter <sup>1</sup>	[µm]	0.07	-
Core diameter <sup>2</sup>	[µm]	3.9	3.9 ± 0.2
Fiber length	[m]	71 ± 1	-

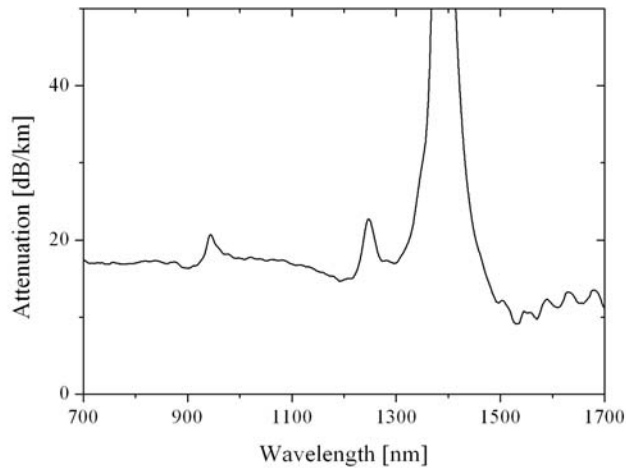
<sup>1</sup> Determined from a population of 300 cladding holes

<sup>2</sup> Calculated from period and hole diameter

## Attenuation (Not specified)

---

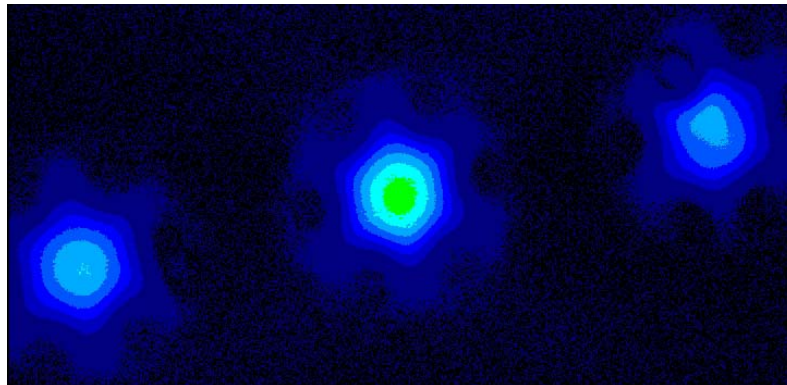
Measured spectral attenuation using white light source and cut back technique.



## Typical near field (Not specified)

---

Typical near field picture obtained at a wavelength of 780 nm.



Subject to Crystal Fibre A/S's General Terms Crystal-Fibre A/S herewith certifies that the purchased fiber meets the properties described above.

Martin Dybendal Nielsen, Ph.D.  
Research Scientist