

# 3-A certified Transflection Probe



**FlexiSpec®**

- 3-A certified transflection probe is designed in accordance with the highest hygienic requirements to be used in pharma, food and beverage industries.
- Robust shaft made of Stainless Steel 316L is sealed with gold soldered Sapphire window.
- Capable for CIP and SIP (cleaning and sterilization in place) procedures with no need for probe extraction.
- In-line transmission spectroscopy in liquids (even applicable in low transparent media).

### Applications:

- Pharma, food and beverage industries
- Biopharmaceutical analysis
- Measurements in pipelines and reactors

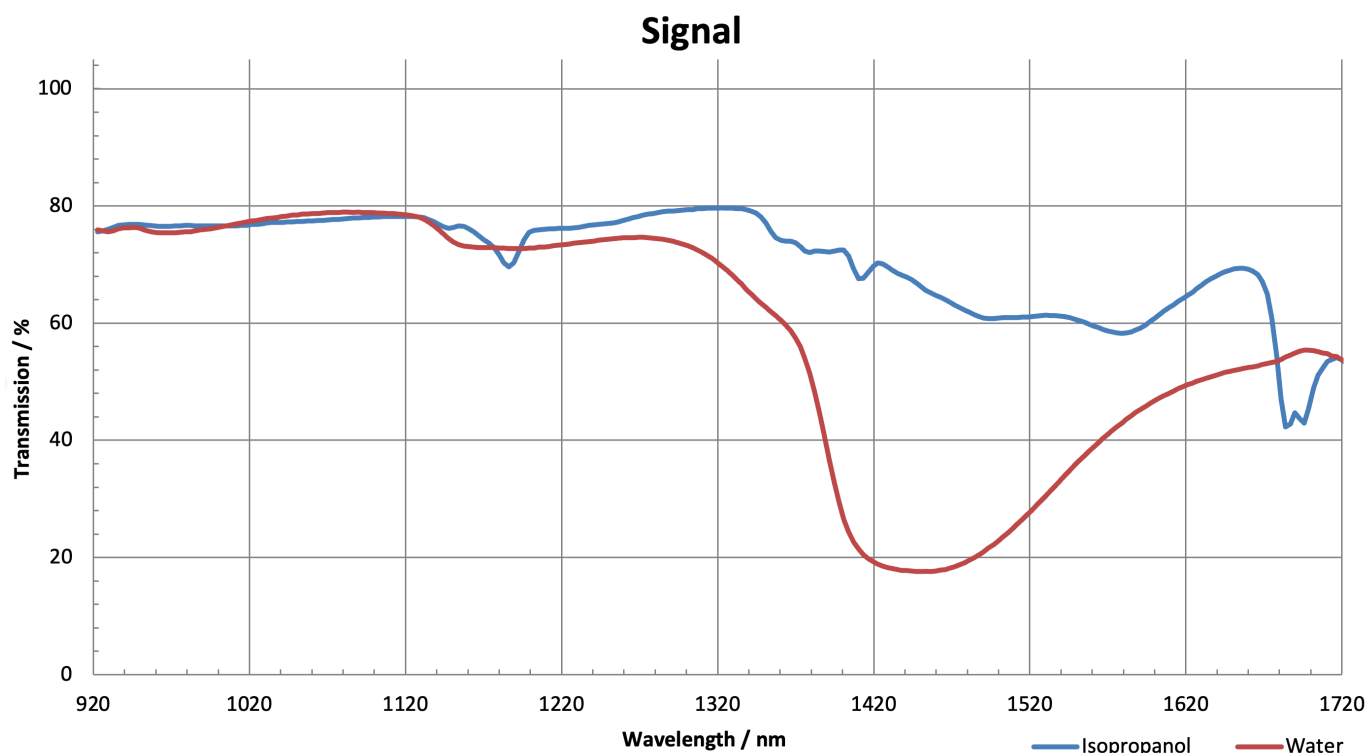


**3-A Sanitary Standards**

**broad spectra fiber solutions**

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## 3-A certified Hygienic Transfection Probe



### Specifications of Hygienic Fiber Optic Transfection Probe

<b>Fiber type, fiber diameter</b>	Silica UV-VIS 600/660 µm	Silica VIS-NIR 600/660 µm
<b>Operating spectral range</b>	0.2 - 1.3 µm	0.4 - 2.2 µm
<b>Gap (optical path)</b>	standard: 0.5 mm (1 mm); on request: 2; 5; 10 mm (4; 10; 20 mm)	
<b>Numerical aperture</b>	0.22	
<b>Temperature range</b>	from +5°C to +200°C	
<b>Immersion depth</b>	17 mm	
<b>Total length</b>	1.0 m - 30.0 m	
<b>Schaft length</b>	21 mm	
<b>Shaft diameter</b>	20 mm	
<b>Shaft material</b>	electro polished Stainless Steel 316L	
<b>Sealing technology</b>	gold soldered (Au, Sn)	
<b>Protective tube material</b>	hygienic food grade conduit and fittings	
<b>Input / Output connectors</b>	SMA – others on request	
<b>Flange</b>	tri-clamp fitting – others on request	
<b>Optics</b>	sapphire window, stainless steel mirror	



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