

## Product Group Quality Certificate and Technical Characteristics

# Treff Vial HP

This document is valid for  
Treff Vial HP:

Treff Vial HP 350  
Cap and Tube,  
2 D BC



### Production

**Nolato Treff AG confirms that Treff Vial HP Cap and Tube are made of virgin resins providing high chemical resistance. The microbiological controlled fabrication is carried out in clean room class 8, ISO 14644-1. No additives are used.**

### Quality Parameters

Analyses are performed by an independent Swiss laboratory for molecular biological & microbiological analytics, accredited ISO/IEC17025 for real-time PCR:

- Free of RNase ( $< 5 \times 10^{-9}$  Kunitz units)
- Free of DNase ( $< 5 \times 10^{-6}$  Kunitz units)
- Free of DNA ( $< 2$  pg DNA)
- Free of endotoxins ( $< 10$  copies)
- Free of PCR inhibitors ( $< 0.001$  EU/ml)
- Free of R and ATP ( $< 30$  RLU)



### Physical Properties

- Approved dynamic transport tightness and resealing properties
- Autosampler and transport system (i.e. Lab2Lab) approved
- Up to 5 bar / 72.5 psi internal pressure tightness
- Resealing tightness after septum penetration: 2 bar / 29 psi
- Capacity: up to 350  $\mu$ l
- Individual unique 2D barcode for each tube
- Temperature range: - 80°C up to 100°C
- Outstanding DMSO tightness
- Ready to Use (CleanRoom Pure®)

## Materials

All products are produced with 100 % virgin polymer only. No recycled materials are used. Our material suppliers do not use or intentionally incorporate the following agents into the materials Nolato Treff used for production:

- Slip agents (i.e. Oleamide)
- Biocides (i.e. DIHEMDA)
- Plasticizers (softeners/ phthalates)
- Silicone

## ISO Certificates

The Nolato Treff AG is certified according to ISO 9001, ISO 13485, ISO 14001 and ISO 22000.

All TreffLab Consumables are produced in microbiologically controlled clean rooms class 8, ISO 14644-1

## Safety note

Treff Vial HP, PP, has been developed to serve as «transport, autosampler and storage vessel» for a wide range of research, development, quality control and production laboratories. Intended use: For Research and Development only.

It is recommended to follow the safety instructions for transport vessels of modern transport system, i.e. such as the pneumatic transport system Lab2Lab\* for transport between buildings and central analytical labs. (\* Lab2Lab is a brand of STP Labtech, UK)

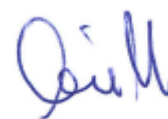
Treff Vial HP with septum cap (PP/TPE) is designed to meet required parameters of modern transport and autosampler vials. To keep the physical properties of Treff Vial HP, the following storage conditions are recommended:

- storage temperature (18 – 28°C)
- no light exposure (= packed in original cardboard box)

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