



PFAS SAMPLE ANALYSIS CAPS



**ILT CAPS
AND SEPTA**

**518 432 0617
WWW.ILTUSA.COM**

WHAT ARE PFAS AND FOREVER CHEMICALS?

PFAS stands for per- and polyfluoroalkyl substances, and are colloquially known as “forever chemicals.” They are a group of man-made chemicals that have been widely used in various industrial and consumer products since the 1940’s. PFAS are known for their strong chemical bonds, which make them resistant to heat, water, and oil. This property has made them popular for use in a wide range of applications, including firefighting foams, non-stick cookware (such as Teflon), waterproof fabrics, food packaging, and many other household and industrial products.



PFAS CAN BE FOUND IN:

- Drinking water
- Commercial household cleaning products
- Food packaging

Goals of the EPA are to ensure science-based decision making to identify which PFAS may pose human health and ecological risks and develop tests to measure, remove and destroy them.

Using the ILT PFAS Sample Analysis caps will assure PFAS-free results.

It is essential during the PFAS sample process to provide a vial and cap that is PFAS-free. Using the new PFAS caps from ILT ensure the integrity of the data collected and meets all required collection standards. ILT has created a series of caps that are compatible with all standard plastic screw, crimp, or snap top vials.

These caps are recommended for drinking water, food packaging, and commercial household cleaning product sample testing.

FEATURES AND BENEFITS



- Featuring high-grade platinum silicone with a polypropylene faced liner material for PFAS-free results.
- 9mm screw caps with trans blue silicone/clear polypropylene, bonded.
- Compatible with plastic 12 x 32mm screw cap vials.

ILT Part Number	Description
009-13-5816	9mm black screw cap bonded with trans blue silicone/clear polypropylene for PFAS analysis
009-13-5815	9mm black screw cap bonded, trans blue silicone/clear polypropylene, pre-slit for PFAS analysis



- The ILT butyl caps are uniquely designed to fit a standard 12 x 32mm plastic crimp or plastic snap cap vial.
- Butyl cap is pierceable, no liner is required.
- Available as a cross-slit or standard non-slit cap.

ILT Part Number	Description
011-08-5909	11mm butyl cap for crimp top vials, PFAS analysis
011-08-5910	11mm butyl cap for crimp top vials, PFAS analysis, partial cross-slit
011-08-5906	11mm butyl cap for snap top vials, PFAS analysis
011-08-5907	11mm butyl cap for snap top vials, PFAS analysis, partial cross-slit

FEATURES AND BENEFITS



- Featuring high-grade platinum silicone with a polypropylene faced liner material for PFAS-free results.
- 11mm natural polypropylene snap caps trans blue silicone/clear polypropylene.
- Compatible with all standard snap ring top vials.

ILT Part Number	Description
011-03-5908	11mm natural snap cap, trans blue silicone/clear polypropylene
011-03-5905	11mm natural snap cap, trans blue silicone/clear polypropylene, pre-slit



- 24mm screw caps bonded with white silicone/clear polypropylene.
- Excellent choice for water sampling.
- Keeps the sample contaminant free through point of collection to sample analysis.

ILT Part Number	Description
024-13-5902	24-414 white screw cap, white silicone/clear polypropylene

TEST DATA REPORT

Applied Technical Services is a third-party independent laboratory. The ILT 9mm assembled caps, using a silicone/polypropylene liner, has been certified to meet the required regulatory standards and conditions for PFAS free sample analysis results.




Applied Technical Services

CHEMICAL TEST REPORT	
Ref. 406570-4	Date October 18, 2023 Page 1 of 2
Attention: Chrystal McDuffie	Materials Specification: N/A
Customer: Integrated Liner Technologies 45 Discovery Dr. Rensselaer, NY 12144	Test Methods: EPA Method 3545A <i>Pressurized Fluid Extraction (PFE)</i> and EPA Method 8321B <i>Solvent Extractable Nonvolatile Compounds by High Performance Liquid Chromatography/Thermospray/Mass Spectrometry (HPLC/TS/MS) or Ultraviolet (UV) Detection</i>
P.O.# N/A	
Sample: See below	
Test Results	
Sample	Results
Solvent After Inverted with the PP Cap*	See Table 1

*ATS has updated the sample identification for ATS #5 per the client's request.



Prepared by:  R. Webster
Chemistry Technician

Approved by: William Carson
Digitally signed by William Carson
Date: 2023.10.18 13:14:12 -0400
W. Carson
Senior Chemist

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We Take A Closer Look

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ATS302, 01/2010

TEST DATA REPORT (CONTINUED)

CHEMICAL TEST REPORT

Ref. 406570-4

Date October 18, 2023

Page 2 of 2

Table 1. Quantitative Results

	Solvent After Inverted with the PP Cap
Heptafluorobutyric Acid	N.D. <10 ppb
Perfluoropentanoic Acid	N.D. <10 ppb
Perfluorohexanoic Acid	N.D. <10 ppb
Perfluoroheptanoic Acid	N.D. <10 ppb
Perfluorooctanoic Acid	N.D. <100 ppt
Perfluorononanoic Acid	N.D. <10 ppb
Perfluorodecanoic Acid	N.D. <10 ppb
Perfluoroundecanoic Acid	N.D. <10 ppb
Perfluorododecanoic Acid	N.D. <10 ppb
Perfluorotridecanoic Acid	N.D. <10 ppb
Perfluorotetradecanoic Acid	N.D. <10 ppb
Perfluorooctanesulfonic Acid	N.D. <100 ppt
Perfluorooctanesulfonamide	N.D. <1 ppm
Heptaecafluoro-N-Methyloctanesulphonamide	N.D. <1 ppm
N-Methylperfluorooctanesulfonamidoethanol	N.D. <1 ppm
N-Ethylperfluorooctanesulfonamidoethanol	N.D. <1 ppm
N-Ethyl-N-(2-Hydroxyethyl)Perfluorooctylsulphonamide	N.D. <1 ppm
Perfluorohexasulfonic Acid	N.D. <100 ppt


N.D. <- None detected, less than specified detection limit

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