

PRODUCT CATALOG

Sterile Sampling Bags & Blender Bags · 2026



About SHT

SHT is a leading provider of laboratory instruments and consumables in the life sciences industry.

Our vision is to be a world-class provider of soft packaging solutions, continuously improving product quality and service levels through innovation and efficient production processes. Our mission is to offer reliable, safe, and environmentally friendly packaging solutions that promote the development of the global laboratory industry.

SHT specializes in sterile sampling bags, homogenization bags, and other laboratory soft packaging consumables. We adhere to brand values of integrity, innovation, quality, and customer-centricity, firmly believing that rigorous quality control and continuous innovation will earn the trust of our customers.

We understand that each customer's needs are unique, which is why we provide professional customization services, flexibly addressing various specifications, materials, and functional requirements. At the same time, our products are competitively priced, achieving the best combination of high quality and cost-effectiveness.

We welcome you to learn more about SHT and we look forward to collaborating with you to create a brighter future together!

Sterile Sample Bags

Meet all your collection, storage, and transport needs, ensuring the sterility and integrity of your samples for testing.

SHT's sterile sampling bags are the ideal choice for collecting, storing, and transporting solid, semi-solid, and liquid samples.

This product is made from FDA-approved pure polyethylene material, with an average thickness greater than similar products on the market, ensuring higher strength and durability.

SHT's sterile sampling bags are produced using extruded polyethylene film tubes, eliminating the need for heat sealing on the sides, with only a tear-off seal at the top and a heat-sealed bottom, thus removing potential hazards associated with side heat sealing. Additionally, the absence of side heat sealing allows users to easily open the bag, facilitating the insertion of various samples.



Sterile Sample Bags

Sterility assured

SHT's sterile sampling bags are produced using extruded polyethylene film tubes with a temperature range of 220°C to 240°C, ensuring that the interior of the finished product reaches a sterile state. Throughout the production process, these bags remain in a closed environment, preventing exposure to the outside, which further guarantees sterility until the moment the user opens the packaging.

To ensure product sterility, we conduct batch sampling of all raw materials and perform independent testing, including assessments for aerobic and anaerobic bacteria, as well as various colony culture experiments. Only after confirming that the raw materials have undergone comprehensive sterility testing do we proceed to the processing stage. The finished products also undergo multiple stringent sterility testing procedures to ensure the quality and safety of the final product.



Sterile sample bags of assorted sizes, filled and racked for handling.

Sterile Sample Bags

More advantages

1. **Easy Tear Design:** Utilizes an easy tear structure for quick opening, ensuring user-friendly operation.
2. **Secure Bottom Seal:** The bottom is sealed using a thermal sealing process to guarantee reliable closure and prevent leakage of contents.
3. **Small Handle Design:** Allows for quick opening while maintaining the maximum opening angle for easy sample insertion.
4. **Diverse Options:** Offers various sizes and sealing solutions to accommodate different sampling needs.
5. **Transparent and Marking Options:** Available in transparent bags or versions with writable labels for easy sample observation and information recording.



Sterile Sample Bags

Product Application

Aseptic sampling bags are specialized tools designed for the collection, storage, and transportation of biological samples. They are widely used in various fields, including laboratories, healthcare, food, daily chemicals, agriculture, environmental monitoring, and industry. Their main features include excellent sterility and sealing properties, ensuring that cross-contamination and sample degradation are avoided during the collection and transfer process.

Field	Field	Field
Laboratory	Medical industry	Environment detection
Evidence collection	Food industry	Agriculture
Livestock farming	Daily chemical industry	



Sterile Sample Bags



Closed with 2 round wires, transparent, without writing area

Code	Size (mm)	Material (μm)	Capacity (ml/oz)	Packaging
127076AA70X#	127×76	PE70	60 (2)	Cs/1000 (2×500)
178076AA70X#	178×76	PE70	118 (4)	Cs/1000 (2×500)
190114AA70X#	190×114	PE70	350 (12)	Cs/1000 (2×500)
229114AA70X#	229×114	PE70	530 (18)	Cs/1000 (2×500)
304114AA70X#	304×114	PE70	800 (27)	Cs/1000 (2×500)
381114AA70X#	381×114	PE70	1050 (36)	Cs/1000 (2×500)
229140AA90X#	229×140	PE90	710 (24)	Cs/1000 (2×500)
381140AA90X#	381×140	PE90	1250 (42)	Cs/1000 (2×500)
300180AA100X#	300×180	PE100	1650 (55)	Cs/1000 (4×250)

Closed with 2 round wires, with writing area

Code	Size (mm)	Material (μm)	Capacity (ml/oz)	Packaging
127076AA70Y#	127×76	PE70	60 (2)	Cs/1000 (2×500)
178076AA70Y#	178×76	PE70	118 (4)	Cs/1000 (2×500)
190114AA70Y#	190×114	PE70	350 (12)	Cs/1000 (2×500)
229114AA70Y#	229×114	PE70	530 (18)	Cs/1000 (2×500)
304114AA70Y#	304×114	PE70	800 (27)	Cs/1000 (2×500)
381114AA70Y#	381×114	PE70	1050 (36)	Cs/1000 (2×500)
229140AA90Y#	229×140	PE90	710 (24)	Cs/1000 (2×500)
381140AA90Y#	381×140	PE90	1250 (42)	Cs/1000 (2×500)
300180AA100Y#	300×180	PE100	1650 (55)	Cs/1000 (4×250)

Sterile Sample Bags

Closed with 1 round & 1 flat wire, with writing area

Code	Size (mm)	Material (μm)	Capacity (ml/oz)	Packaging
229114AB70Y#	229×114	PE70	530 (18)	Cs/1000 (2×500)
229140AB90Y#	229×140	PE90	710 (24)	Cs/1000 (2×500)
300180AB100Y#	300×180	PE100	1650 (55)	Cs/1000 (4×250)
254254AB100Y#	254×254	PE100	1780 (60)	Cs/1000 (4×250)
356254AB100Y#	356×254	PE100	3000 (100)	Cs/1000 (4×250)

Closed with 1 round & 1 flat wire, transparent, without writing area

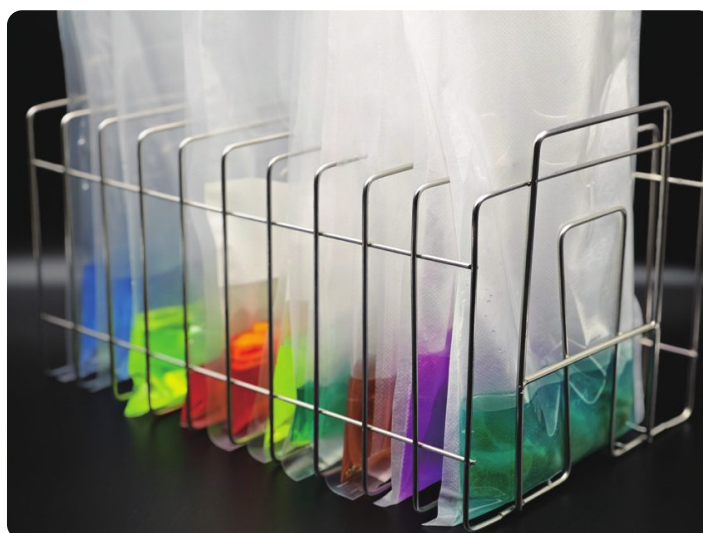
Code	Size (mm)	Material (μm)	Capacity (ml/oz)	Packaging
229114AB70X#	229×114	PE70	530 (18)	Cs/1000 (2×500)
304114AB70X#	304×114	PE70	800 (27)	Cs/1000 (2×500)
381114AB70X#	381×114	PE70	1050 (36)	Cs/1000 (2×500)
229140AB90X#	229×140	PE90	710 (24)	Cs/1000 (2×500)
381140AB90X#	381×140	PE90	1250 (42)	Cs/1000 (2×500)
300180AB100X#	300×180	PE100	1650 (55)	Cs/1000 (4×250)
254254AB100X#	254×254	PE100	1780 (60)	Cs/1000 (4×250)
305254AB100X#	305×254	PE100	2250 (75)	Cs/1000 (4×250)
356254AB100X#	356×254	PE100	3000 (100)	Cs/1000 (4×250)
381254AB100X#	381×254	PE100	3800 (130)	Cs/500 (2×250)
406305AB100X#	405×305	PE100	5000 (170)	Cs/500 (5×100)
457305AB100X#	457×305	PE100	6000 (200)	Cs/500 (5×100)
508305AB100X#	508×305	PE100	6800 (230)	Cs/500 (5×100)
508381AB100X#	508×381	PE100	9800 (330)	Cs/200 (2×100)
610381AB100X#	610×381	PE100	13000 (440)	Cs/200 (2×100)

SHT can also meet customers' personalized needs in specific applications:

- Customized sizes and specifications:** customers can specify the size and thickness of the bags to suit specific uses.
- Material selection:** options for different materials, such as polyethylene and nylon, are available to meet requirements for breathability and chemical resistance.
- Printing logos and designs:** company logos and relevant information can be printed on sterile sampling bags to enhance brand image and recognition.
- Compliance with standards:** customized products will comply with industry standards, ensuring the sterility of materials and production processes.
- Personalized service:** consulting and sample confirmation services are provided to ensure the final product meets usage requirements.

Full-page filter Sterile Sample Bags

1. The outer layer is a reinforced multi-layer composite film.
2. The middle layer is a full-width filter membrane made of pure polyethylene.
3. Filter membrane pore size: less than 280 microns.
4. Can be used with homogenizers.
5. Sampling, homogenization, and filtration completed in one step.



Full-page filter sterile sample bag with integrated homogenization pouch.

Closed with 2 round wires, transparent, without writing area

Code	Size (mm)	Material (μm)	Capacity (ml/oz)	Print	Packaging
M180095AA80X	185×95	NY/PE80	200 (7)	No	Cs/1000 (2×500)
M230150AA100X	230×150	NY/PE100	700 (24)	No	Cs/1000 (2×500)
M300190AA100X	300×190	NY/PE100	1600 (55)	No	Cs/1000 (4×250)
M380190AA100X	380×190	NY/PE100	2000 (69)	No	Cs/1000 (2×250)
M380254AA100X	380×254	NY/PE100	2700 (92)	No	Cs/1000 (5×100)
M380380AB100X	380×380	NY/PE100	4000 (138)	No	Cs/1000 (5×100)

Stand-up Sterile Sample Bags

1. Outer layer reinforced multi-layer composite membrane, offering superior durability and protection performance.
2. Stand-up design, making sample collection more efficient.
3. K-shaped bottom seal, enhancing standing support and ensuring safety during sampling and storage.
4. Facilitates better fluid sampling, resulting in smoother operation.
5. Writable label area for records, convenient for subsequent data management and tracking.



Stand-up sterile sample bags with K-shaped base.

Closed with 2 round wires, transparent, without writing area

Code	Size (mm)	Material (μm)	Capacity (ml/oz)	Print	Packaging
U185075AA70X#	185×75	NY/PE75	120 (4)	No	Cs/1000 (2×500)
U230115AA70X#	230×115	NY/PE75	530 (18)	No	Cs/1000 (2×500)
U230150AA90X#	230×150	NY/PE90	700 (24)	No	Cs/1000 (2×500)
U380150AA100X#	380×150	NY/PE90	1200 (42)	No	Cs/1000 (4×250)
U380190AA100X#	380×190	NY/PE100	2000 (69)	No	Cs/500 (2×250)
U380380AA100X#	380×380	NY/PE100	4000 (138)	No	Cs/500 (2×250)

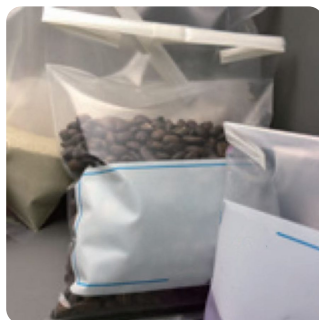
Blender Bags



Blender bags racked, ready for homogenization.

1. **Transparent Structure:** Typically made from transparent materials, facilitating observation of sample status and monitoring the degree of homogenization.
2. **Vacuum Packaging:** Utilizes vacuum packaging to extend shelf life, ensuring the stability and effectiveness of samples.
3. **Specific Capacities:** Available in various capacity options to meet different experimental and processing needs.
4. **Filtration Function:** Offers multiple filtration models to reject impurities, making detection simpler.
5. **Aseptic Design:** Subjected to strict aseptic processing to ensure no contamination occurs during sample collection and handling.
6. **Durable Materials:** Made from high-toughness and pressure-resistant materials, capable of withstanding the impact and pressure during the homogenization process. Suitable for almost all homogenizers available on the market.

Blender Bags



Lateral filter Blender bags



Full-page filter Blender bags



Non-filter Blender bags



Reinforced Blender bags

Blender Bags

Lateral filter Blender bags (non-woven fabric filter)

Code	Size (mm)	Material (μm)	Capacity (ml)	Print	Packaging
FXN300190-75X#	300×190	NY/PE75	400	No	Cs/500 (10×50)
FXN300190-75Y#	300×190	NY/PE75	400	Yes	Cs/500 (10×50)

Full-page filter Blender bags (non-woven fabric filter)

Code	Size (mm)	Material (μm)	Capacity (ml)	Print	Packaging
FMN300190-75X#	300×190	NY/PE75	400	No	Cs/500 (10×50)
FMN300190-75Y#	300×190	NY/PE75	400	Yes	Cs/500 (10×50)

Full-page filter Blender bags (PE filter membrane)

Code	Size (mm)	Material (μm)	Capacity (ml)	Print	Packaging
FMP300190-75X#	300×190	NY/PE75	400	No	Cs/500 (10×50)
FMP300190-75Y#	300×190	NY/PE75	400	Yes	Cs/500 (10×50)
FMP600380-75X#	600×380	NY/PE75	3750	No	Cs/100 (10×10)

Non-filter Blender bags

Code	Size (mm)	Material (μm)	Capacity (ml)	Print	Packaging
T300180-70X#	300×180	PE70	400	No	Cs/1000 (10×100)
T300180-100X#	300×180	PE100	400	No	Cs/500 (100×5)
T300180-100Y#	300×180	PE100	400	Yes	Cs/500 (100×5)
T300180-120X#	300×180	PE120	400	No	Cs/500 (100×5)
T320175-110X#	320×175	PE110	400	No	Cs/1000 (4×250)
T380254-100X#	380×254	PE100	400	No	Cs/500 (10×50)
T500380-110X#	500×380	PE110	2000	No	Cs/400 (2×200)
T560380-110X#	560×380	PE110	3200	No	Cs/400 (2×200)

Reinforced Blender bags

Code	Size (mm)	Material (μm)	Capacity (ml)	Print	Packaging
S300190-75X#	300×190	NY/PE75	400	No	Cs/500 (10×50)
S300190-75Y#	300×190	NY/PE75	400	Yes	Cs/500 (10×50)

Zipper Standing Sterile Sample Bags / Homogenizer Bags

Single Zipper Standing Sterile Sampling Bag / Homogenizer Bag

1. **Sterile Design:** Each sampling bag undergoes strict sterilization to ensure a microbe-free sampling process.
2. **Sealable Structure with Pressure Strip:** The pressure strip design ensures a secure seal, preventing sample leakage and guaranteeing safe transportation.
3. **Upright Design:** The upright structure is stable, making it convenient for sampling, mixing, and weighing, thus enhancing laboratory efficiency.
4. **Excellent Homogenization Performance:** Ample space ensures thorough mixing of samples, making it suitable for various types of samples.
5. **Wide Applicability:** Suitable for multiple fields, including food, beverages, biotechnology, and environmental monitoring.

Double Zipper Leak-Proof Standing Sterile Sampling Bag / Homogenizer Bag

1. **Double seal leak prevention:** Dual protection completely eliminates the risk of sample leakage.
2. **Strict sterilization:** Ensures that the risk of microbial contamination is minimized.
3. **Easy operation:** Vertical design facilitates sampling, mixing, and weighing.
4. **Excellent homogenization:** Ample space ensures thorough mixing of samples.
5. **Wide applicability:** Suitable for various fields including food, beverages, and biotechnology.



Single and double zipper standing sterile sampling / homogenizer bags.

Custom Sterile Liquid Sample Bags

Sterile liquid sampling bags are high-performance bags designed for the sterile collection, transportation, and storage of liquid samples.

1. Their upright structure and unique twist-cap design ensure the safety and convenience of the samples.
2. The top is equipped with a twist-cap of optional diameter, allowing customers to choose different sizes according to their needs to fit various sampling tools.
3. The bag body can be customized with personalized printing according to customer requirements, including company logos and product information, to enhance brand image.
4. High-energy electron accelerator irradiation technology is used for sterilization, ensuring a reliable and long-lasting sterile state, effectively eliminating bacteria and microorganisms.
5. This product is widely used in medical testing, environmental monitoring, the food industry, and other fields, making it an ideal choice for laboratory and on-site sampling.



Custom sterile liquid sampling bags with twist-cap spouts, various colors and volumes.

Other related custom products

Product	Product
Sterile sampling bags with dry sponge	Sterile sampling bags with compartments for capacity
High-temperature resistant sterilization bags	Cord blood and placenta cell storage bags
Autoclave bag	Sterile sampling bags with spoons
Outer packaging bags for petri dishes	Specimen bags





***Professional customization, safe and sterile,
supporting the path of scientific research!***

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