

Soil



Water



Storage



ENVIRONMENTAL SAMPLE CONTAINERS

ABOUT SWORD SCIENTIFIC

Sword Scientific is a specialist supplier of environmental and laboratory sample containers. The Company has made a name for itself as a reliable and innovative player, with a continually expanding range of products and services.

Our dedicated staff have over 35 years of combined experience in the sale and distribution of scientific products and instrumentation. Our mission is to be a vibrant and professional partner supplying unique scientific products into niche European markets.

Vibrant: Our goal is to be innovative with the products and the service we provide. We constantly seek to work in partnership with our customers.

Professional: All members of staff pride themselves on their professional approach to their responsibilities, in particular with regards to the personal way in which each and every customer is managed.

Unique: We offer a unique, near complete product range and aspire to meet all of our clients' sampling application requirements. Our speciality custom container cleaning service is one example of our uniqueness.

Our range of environmental sampling containers can be utilised for environmental field sampling or employed in laboratories. They are process cleaned and meet or exceed EPA standards. We offer glass, High Density Polyethylene (HDPE) and Nalgene® containers, with a Certificate of Analysis.

We hope you will find this catalogue helpful. If you have any questions or comments, please let us know. Our contact details can be found at the end of this catalogue.



CONTENTS

CLEANING PROCEDURES / CERTIFICATION	2
GLASSWARE	
Boston Round Bottles	3
Wide Mouth Straight Jars - Clear	4
Wide Mouth Straight Jars - Amber	5
EPA VOA Vials	6
HIGH DENSITY POLYETHYLENE	
HDPE - Rounds/ Oblongs / Cylinders	7
HDPE - Jugs / Straight Sided Jars	8
NALGENE®	
Nalgene® Wide Mouth Bottles	9
OTHER	
Soil Sample Containers	10
NOTES	11

CLEANING PROCEDURES

Sword Scientific glass and plasticware are processed by one of three methods:

Procedure A

- Designed for 60ml and larger clear and amber glass containers.
- Level 1 (L1) containers are certified to meet or exceed EPA standards for metals, pesticides and semi-volatiles.

Procedure B

- Designed for 40ml borosilicate glass vials and a select number of larger bottles.
- Level 1 (L1) containers are certified to meet or exceed EPA standards for volatiles.

Procedure C

- Designed for HDPE sampling containers.
- Level 1 (L1) containers are certified to meet or exceed EPA standards for metals, cyanide and fluoride.

CERTIFICATION

All Sword Scientific glass and plasticware are available with a Certificate of Analysis:

Level 1 (L1)

- Processed according to EPA recommended wash procedures.
- Strict quality control analysis.
- Packing cases custody sealed.
- Each container is lot number labelled for traceability to the enclosed Certificate of Analysis.

Level 3 (L3)

- Ready for customer cleaning.
- Containers assembled to meet EPA recommended guidelines for sample container material component specifications.

BOSTON ROUND BOTTLES



The Product

A range of standard clear and amber glass containers with a closed top polypropylene cap (0.015" PTFE liners included) for soil and liquid sampling. The use of amber bottles is recommended for light-sensitive applications.

Processing Procedure/Certification

- Procedure A: Level 1 and Level 3

Sampling applications

- Water
- Sample storage

Capacity/ml	Cap size/mm	Colour	L1	L3	Qty/Case
125	24-414	Amber	•	•	12
250	24-414	Amber/Clear	•	•	12
500	28-400	Amber/Clear	•	•	12
1L	33-430	Amber/Clear	•	•	12

Other Options in Range

- Bottle with open top cap with a welded PTFE/silicone septum included
- Closed top bottle with a polypropylene cap with PTFE/silicone septum

Processing Procedure/Certification

- Procedure B - Level 1 and Level 3

Capacity

- Open top cap with septum - Amber: 125ml, 250ml, 1L
- Closed top with septum - Clear/Amber: 250ml

Sampling applications

- Water
- Sample storage



WIDE MOUTH STRAIGHT JARS - CLEAR

The Product

This extensive series of short and tall, straight sided, wide mouth clear glass jars is recommended for the sampling of solids, semi-solids and hazardous waste. The standard jars have a solid polypropylene cap and a 0.015" PTFE liner.

Processing Procedure/Certification

- Procedure A - Level 1 and Level 3
- Procedure B - Level 1

Sampling applications

- Solids
- Semi-solids
- Water



Capacity/ml	Cap size/mm	Short	Tall	Procedure	L1	L3	Qty/Case
60	53-400	•		A / B	•	•	24
125	58-400	•		A / B	•	•	24
125	48-400		•	A / B	•	•	24
250	70-400	•		A / B	•	•	24
250	58-400		•	A	•	•	24
500	89-400	•		A / B	•	•	12
500	63-400		•	A	•	•	12
1L	89-400			A	•	•	12
2L	83-400			A	•	•	6
4L	110-400			A	•	•	4
10L *	120-400			A	•	•	1

* Special quote only



Other Options in Range

- Bottle with open top polypropylene cap with PTFE/silicone septum

Processing Procedure/Certification

- Procedure B - Level 1

Capacity

- 60ml and 250ml

Sampling applications

- Solids
- Semi-solids
- Water

WIDE MOUTH STRAIGHT JARS - AMBER

The Product

To complement the range of clear straight sided wide mouth jars, the most popular sizes are also offered in amber glass, the preferred choice for use with light-sensitive samples. Like their clear alternatives, the amber containers are particularly suitable for the sampling of solids, semi-solids and hazardous waste.

Processing Procedure/Certification

- Procedure A: Level 1 and Level 3

Sampling applications

- Viscous liquids
- Soil
- Semi-solids



Capacity/ml	Cap size/mm	Procedure	L1	L3	Qty/Case
60	51-500	A	•	•	24
125	58-400	A	•	•	24
250	28-400	A	•	•	24

Other Options in Range

- Bottle with open top cap with a welded PTFE/silicone septum included
- Wide mouth packer with solid polypropylene cap with a 0.015" PTFE liner

Processing Procedure/Certification

Open top / Packers

- Procedure A: Level 1 and Level 3

Open top

- Procedure B: Level 1

Capacity

- Open top: 60ml, 125ml, 250ml
- Open top: 60ml, 125ml, 250ml, 500ml, 1L, 1.25L, 2.5L

Sampling applications

- Viscous liquids
- Soil
- Semi-solids



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EPA VOA VIALS

The Product

The Procedure B processed EPA VPA open top vials are recommended for volatile organic sampling. The borosilicate glass containers are available in clear and amber, and are assembled with a polypropylene cap and a 0.060" or 0.125" PTFE/silicone septum. All vials are compatible with autosamplers. Amber bottles are preferred for use with light-sensitive samples.

Processing Procedure/Certification

- Procedure B: Level 1 and Level 3

Sampling applications

- Water



Capacity/ml	Cap size/mm	Colour	L1	L3	Qty/Case
20	24-414	Clear / Amber	•	•	72
40	24-414	Clear / Amber	•	•	72 * / 144
40	24-414	Clear / Amber	•		100
60	14-414	Clear / Amber	•		144

* 0.060" thin septum



Other Options in Range

- Closed top vials
- Premium pack open top or closed top vials

Processing Procedure/Certification

Closed top vials

- Procedure B: Level 1 and Level 3

Premium pack open and closed top vials

- Procedure B: Level 1

Capacity

- Closed top: 20ml, 40ml
- Premium pack open top: 20ml, 40ml, 40ml *
- Premium pack closed top: 20ml, 40ml

Sampling applications

- Water

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HDPE - ROUNDS / OBLONGS / CYLINDERS

The Product

A range of High Density Polyethylene (HDPE) containers for water and soil sampling and storage. All containers are supplied complete with a lined polypropylene cap pre-assembled. Ranging in size from 60ml to 1L they are ideal for cyanide, fluoride and metals samples.

Processing Procedure/Certification

- Procedure C: Level 1 and Level 3

Sampling applications

- Water
- Soil
- Reagent/Sample storage

OPTIONS IN RANGE:



HDPE Boston Rounds

- Easy fill and pour
- Deep thread cap - reduced risk of sample leakage
- Capacity: 125ml, 250ml, 500ml, 960ml
- Ideal for water sampling

HDPE Oblongs - Wide Mouth

- Wider mouth for faster filling and pouring
- Deep cap thread - reduced risk of leaks
- Capacity: 125ml, 250ml, 500ml, 960ml
- Ideal for water and soil sample collection



HDPE Cylinders

- Original EPA preferred water sample container
- Deep cap thread - reduced risk of leaks
- Capacity: 60ml, 125ml, 250ml, 500ml, 1L
- Ideal for water sampling and reagent storage



HDPE - JUGS / STRAIGHT SIDED JARS

The Product

The jugs, straight sided jars and wide mouth jars complete the range of High Density Polyethylene (HDPE) containers. All products are supplied complete with a lined polypropylene cap pre-assembled (unassembled option is available). With sizes from 60ml to 4L, the containers are suitable for sampling and storage of semi-solids and viscous liquids.

Processing Procedure/Certification

- Procedure C: Level 1 and Level 3

Sampling applications

- Water
- Soil
- Reagent/Sample storage

OPTIONS IN RANGE:

HDPE Jugs

- Easy fill and pour
- Available in case of 6 or 72
- Capacity: 2L, 4L
- Various quantity/case options
- Ideal for liquid sample and reagent storage



HDPE Straight Sided Jars

- Straight side for faster filling and emptying
- Deep cap thread - reduced risk of leaks
- Capacity: 125ml, 500ml, 960ml
- Ideal for water and soil sample collection



HDPE Wide Mouth Jars

- Over 25 options available
- Deep cap thread - reduced risk of leaks
- Capacity: From 60ml upto 4L
- Ideal for semi-solids and viscous liquids



NALGENE® WIDE MOUTH BOTTLES



The Product

A series of Nalgene® plastic containers specifically designed for the sampling of cyanide, fluoride and metals. All standard packs listed in table below contain containers with attached linerless Nalgene® polypropylene caps. Linerless caps are used to provide a secure seal.

Processing Procedure/Certification

- Procedure C: Level 1 and Level 3

Sampling applications

- Soil and water samples
- Wide temperature range
- Aggressive reagents

Capacity/ml	Cap size/mm	Procedure	L1	L3	Qty/Case
30	28-415	C	•	•	1,000
60	28-415	C	•	•	1,000
125	38-415	C	•	•	48 / 500
250	43-415	C	•	•	24 / 250
500	53-415	C	•	•	24 / 125
1L	63-415	C	•	•	12 / 50

Other Options in Range

- Wide Mouth bulk pack, caps packed separately
- Narrow Mouth standard packs and bulk packs, caps attached or packed separately

Processing Procedure/Certification

Wide/Narrow Mouth bulk packs, caps packed separately

- Procedure C: Level 3

Narrow Mouth standard and bulk packs, caps attached

- Procedure C: Level 1 and Level 3

Capacity

- Wide Mouth bulk pack, separate caps: 30ml, 60ml, 125ml, 250ml, 500ml, 1L
- Narrow Mouth standard or bulk pack, caps attached or packed separately: 60ml, 125ml, 250ml, 500ml, 1L



SOIL SAMPLE CONTAINERS

The Product

A range of uncertified polyethylene containers for soil and water samples. Soil pots supplied complete with snap fit lid in either 500ml or 1L capacity. Water bottles are available in 250ml, 500ml and 1L capacity with screw cap.

Processing Procedure/Certification

- Not applicable

Sampling applications

- Bulk soil and water samples



NOTES

QUERIES / PLACE AN ORDER



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