

How many **spoons and sticks** can you find hidden in the field?

If they are a little hard to find, perhaps it's because they are one and the same. Read this feel good story and become a part of it.



Bel-Art Products

Enter your guess at www.belart.com.

Lit. No. 147 – 12/11

Feel good about the work you do; Feel good about the tools you use to do it!

Planet Earth is 510 million square kilometers and, wow, that's pretty big. The thing is; human population around the world continues to grow and we expect a lot from this great big biosphere we all share. Fortunately for us, along with a growing population, scientists and researchers like you are developing technologies and materials to help keep this maybe not so big planet we all call home, healthy and humming along.

A Growing Idea!

Scienceware® Earth-Friendly Spoons and Sticks

New Scienceware® Earth-Friendly Spoons and Sticks are made of 100% plant based polylactic acid polymers (PLA), a renewable bio-plastic resource with less environmental impact than traditional petroleum-based plastics.

- 100% annually renewable resource
- Non-sterile FDA grade material safe for food, drug and cosmetic contact
- Comparable strength and durability to polystyrene, polypropylene and other petroleum-based plastic resin sampling tools
- Spoons available in convenient 10 packs; Sticks available in 100 packs and cases of 500



PLA Resin Facts:

PLA resin is easily derived from naturally occurring sugar in fast growing plants like field corn. The growth of these plants and the manufacture of PLA resin uses up to 50% less nonrenewable energy and results in up to 60% less greenhouse gases than equivalent petroleum-based plastic resins for a true earth friendly product. In addition, products made with PLA:

- Are biodegradable with industrial composting
- Contain no petroleum-based products or toxins
- Offer multiple disposal options including industrial composting, incineration, recycling and landfill



Making everyday products with less environmental impact can benefit everyone now and in the future. As part of a species that plans to be here for a long time, we think that's important, and hope you do too!





Earth-Friendly Long Handle Sampling Spoons

Long-handled spoons are ideal for acquiring samples from bottles, jars and other confined areas and helping to avoid personal contact with sample materials. A flat edge on the rim of each bowl allows fast leveling to collect and measure small amounts with accuracy. Available in three bowl sizes, each spoon is 17.8cm (7") overall length.



Non-Sterile Catalog No.	Capacity	Quantity	List Price
F36940-1000	1.23ml (1/4 tsp.)	10 PK	\$14.35
F36942-1000	2.46ml (1/2 tsp.)	10 PK	\$14.80
F36944-1000	4.93ml (1 tsp.)	10 PK	\$15.60

Earth-Friendly Wide Handle Sampling Spoons

Perfect for retrieving small, specific volume samples of powders or liquids. Wide handles let you grip firmly and provide just enough stiffness to easily sample packed powders and other firm materials. Their unique flat bottom shape allows convenient dual use as weighing boats to save time and assure accuracy.



Non-Sterile Catalog No.	Capacity	Quantity	List Price
F36740-1021	1.25ml (0.04 oz.)	10 PK	\$10.50
F36740-1022	2.5ml (0.08 oz.)	10 PK	\$10.50
F36740-1023	5.0 ml (0.17 oz.)	10 PK	\$10.50
F36740-1024	8.0 ml (0.27 oz.)	10 PK	\$10.50
F36740-1025	20.0 ml (0.67 oz.)	10 PK	\$10.50

Earth-Friendly 1001 Sticks

Almost as good as the invention of the wheel; what did we do before flat sticks were invented? Whether you are mixing samples, handling capsules, scraping containers or positioning solid samples under examination, 1001 Sticks are ready to assist!



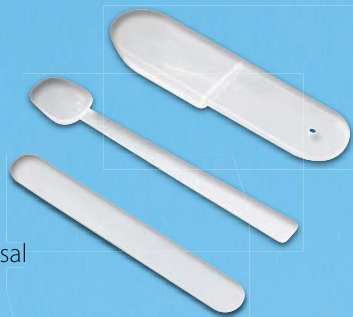
Non-Sterile Catalog No.	Dimensions L x W x H	Quantity	List Price
F36931-0000	5 3/4 x 3/4 x 1/16"	100 PK	\$38.25
F36931-0001	5 3/4 x 3/4 x 1/16"	500 CS	\$175.50

Note: Earth-Friendly Spoons and Sticks are translucent in color.



Earth-Friendly Checklist

- ✓ Renewable resources
- ✓ Non-toxic materials
- ✓ Lower carbon footprint than traditional alternatives
- ✓ Biodegradable by industrial composting
- ✓ Less environmental impact at manufacture and disposal



FAQ's

Are there any differences in performance between the Scienceware® Earth-Friendly Spoons and Sticks and those made of other plastics?

At typical room temperatures, Scienceware® Earth-Friendly PLA Spoons and Sticks are similar in strength, durability and other physical attributes to sampling tools made of polystyrene and other petroleum-based plastic resins. They are not suited for heat applications.

Is shelf life a concern with Scienceware® Earth-Friendly Spoons and Sticks?

No special storage conditions are required. Product may be stored indefinitely at typical room temperatures. PLA biopolymer resin requires conditions found in industrial composting sites for the process of biodegradation to occur.

Are all Earth-Friendly products the same?

'Biodegradable' has become a broadly used term, which can lead to confusion. Many biodegradable products are made by incorporating a small percentage of biodegradable polymers into otherwise petroleum-based plastics and may cause these plastics to only break down into smaller pieces of plastic. This is not true biodegradation to an organic substance. Scienceware® Earth-Friendly PLA Spoons and Sticks are made of 100% plant-based biopolymers which offer an eco-friendlier cradle to grave life cycle and complete biodegradability under industrial composting conditions.*

Can PLA be autoclaved?

No, PLA cannot be autoclaved. Like many of its other plastic counterparts these spoons and sticks are intended for convenient, one time use and disposal.**

What types of plants are used to manufacture PLA resin?

Production of PLA resin requires dextrose (sugar), which is readily available in many plants including corn, sugar beets and sugar cane. In the United States where Bel-Art Products manufactures, field corn is a widely available, renewable sugar source, which is used for a variety of industrial and functional end-uses. PLA resin production uses only a part of the plant. Additional plant parts can be used for other products including corn oil and feed for livestock and poultry.

*Suitability of products for industrial composting may be influenced by end use application and exposure.

**If desired product can be cleaned with Isopropyl alcohol.



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