

# Graphite Products

**SCP SCIENCE** provides high purity graphite products for all aspects of inorganic analysis. Whether you need combustion crucibles, supplies for tribology analysis, or electrodes for DC Arc Spectroscopy, **SCP SCIENCE** can supply them quickly.

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Don't be bound to a single source of supply and pricing !! **SCP SCIENCE** offers an extensive range of graphite crucibles for combustion analysis manufactured to the strictest tolerances to meet or exceed OEM specifications.

- fully cross-referenced to LECO™ part numbers for convenient selection.
- contact **SCP SCIENCE** for custom sizes.



### Ordering Information

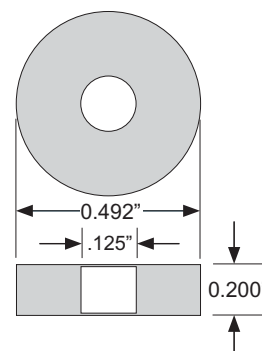
Description	Quantity	Cross Reference	Catalog Number
High Temperature Crucible	1000	782-720	110-100-501
Outer Crucible	1000	775-433	110-100-502
Inner Crucible	1000	775-431	110-100-503
Crucible	1000	767-277	110-100-504
Crucible (for typical N/O analysis)	1000	776-247	110-100-505
Crucible	1000	760-034	110-100-516
Crucible (RH-1E)	1000	762-213	110-100-517
Crucible (RH-1EN)	1000	764-330	110-100-518
Short Crucible (RH-2)	1000	769-520	110-100-519
Tall Crucible (RH-3)	100	769-761	110-100-520
Cover (for 110-100-519/520)	100	769-569	110-100-521
Crucible	1000	760-414	110-100-523

### Rotating Disk Electrodes & Graphite Rods

**SCP SCIENCE** rotrodes and rods, manufactured from high purity graphite, meet or exceed ASTM tolerances and conform to Mil. Spec. MIL-E-8971A. All lots of electrodes are analyzed with a Littrow-type spectrograph, and supplied with a Certificate of Analysis indicating the elements detected and Total Metallic Impurities.

### Ordering Information

Description	Dimensions	Quantity	Catalog Number
Rotating Disk Electrode (D-2)	see diagram	100	070-070-001
Graphite Rod (4")	.242" x 4"	50	070-071-001
Graphite Rod (6")	.242" x 6"	100	070-071-002
Graphite Rod (12")	.242" x 12"	100	070-071-003



### Oil-Based Standards

Oil-based matrix standards are available for emission and XRF analysis.

- common multi-element blends and single element standards are shipped from stock
  - custom formulations are available on special order
- See page 85 for a complete listing



## Graphite Fusion Crucibles

Save money by using graphite fusion crucibles instead of platinum crucibles. **SCP SCIENCE** provides four common formats, in both regular and high-purity graphite.

- Regular purity graphite crucibles provide maximum economy. Impurities range from 10 to 100 ppm Mg, Fe, Al, Si, and Cu, but are distributed evenly throughout the graphite. Contamination will be minimal.
- High purity graphite contains no more than 2 ppm total metallic impurities. They are well suited for trace-level analysis.
- For other styles or sizes, contact your **SCP SCIENCE** representative or distributor today.

### Ordering Information

Type	Description	Grade	Quantity	Catalog Number
Graphite Crucible	9 ml Volume	Regular	100	040-060-010
Graphite Crucible	9 ml Volume	High Purity	10	040-060-011
Large Volume Graphite Crucible	20 ml Volume	Regular	10	040-060-030
Large Volume Graphite Crucible	20 ml Volume	High Purity	10	040-060-031
Graphite Crucible	Cylindrical	Regular	10	040-060-020
Graphite Casting Crucible	casts 34 mm disks	Regular	10	040-060-040
Graphite Casting Crucible	casts 34 mm disks	High Purity	10	040-060-041

See Page 70 for detailed dimensions of our graphite fusion crucibles

## Crater & Counter Electrodes

Numerous Graphite Crater and Counter Electrodes for Arc/Spark applications are available from **SCP SCIENCE** with the most popular styles and sizes listed below. ASTM numbers are provided for quick reference. Contact **SCP SCIENCE** if the electrode you require is not listed.

### Ordering Information

Description	ASTM #	Length cm(")	Dia. cm(")	Tip	Qty.	Catalog Number
Necked Crater	S-4	3.81 (1.5)	.615 (.242)	.475 H x .16 Dia. cm Crater	100	060-070-001
Necked Crater	S-13	3.81 (1.5)	.615 (.242)	.478 H x .345 Dia. cm Crater	100	060-070-003
Necked Crater	1011	3.81 (1.5)	.457 (.180)	.318 H x .239 Dia. cm Crater	100	060-070-006
Toadstool	PD-1	3.81 (1.5)			5	060-070-020
Pointed Counter	C-1	3.81 (1.5)	.305 (.120)	8° Pointed	100	060-070-055
Rounded Counter	C-180	3.81 (1.5)	.457 (.180)	15° Rounded	100	060-070-060
Undercut Counter	C-8	3.81 (1.5)	.615 (.242)	Flat	100	060-070-070

## Graphite Powder

**SCP SCIENCE** supplies two types of graphite powders. The 060-060-001 powder is best for pelletizing samples, while the 060-060-002 grade is optimized for mixing samples using the powder as a buffer or diluent.

### Ordering Information

Description	Mesh Size	Quantity (g)	Catalog Number
Pelletizing Grade Graphite Powder	200	227	060-060-001
Mixing Grade Graphite Powder	200	227	060-060-002