



## CONSUMABILE

for elemental analyzers

**ELTRA offers a wide range of high-quality consumables for elemental analyzers. ELTRA consumables are not only suitable for our own analyzers, but also those of other manufacturers.**

In case you are not sure which consumables are required for your application or cannot find what you are looking for, please contact us for a free consultation. One of our application specialists will get into touch with you shortly.

## **SOLICITA O ESTIMARE GRATUITA, FĂRĂ CARACTER OBLIGATORIU!**




Vă rugăm să selectați elementele pe care doriți să le includeți adăugându-le în lista de solicitare.














După ce ați adăugat un element, lista va fi vizibilă în colțul din dreapta sus al site-ului

- ⬇ General chemicals, wools and fillings
- ⬇ Consumables for ELTRA CS, CHS and special analyzers
- ⬇ Consumables for ELTRA ONH analyzers
- ⬇ Calibration material for induction furnaces
- ⬇ Calibration materials

## GENERAL CHEMICALS, WOOLS AND FILLINGS

### GENERAL CHEMICALS, WOOLS AND FILLINGS



90200		Anhydron (magnesium perchlorate), 454 g 1)
90210		Sodium hydroxide, 500 g 1)
90270		Schuetze reagent, 100 g 1)

90289		Copper II oxide, 100 g 1)
88400-0535		Pt/Si catalyst, 15 g
90331		Glass wool, 454 g
90332		Glass wool, 50 g
90340		Cellulose, 50 g
90341		Cellulose, 50 g
90330		Quartz wool, 50 g
92610		Tube of high vacuum grease, 35 g
88400-0122		Filling for carrier gas purification furnace (optional for CS analyzers)
90426-1001		Filling for carrier gas purification furnace (optional for ONH analyzers)
91000-1005		Copper, flakes, 25 g
88400-0508		Steel wool, 454 g
90234		Filling for halogen trap, potassium iodide
90235		Filling for halogen trap, antimony
88600-0021		Copper oxide wire (0.5*2 mm), 100 g (could be used alternatively to Pt/Si catalyst)
88400-0636		Copper Sticks
84000-0638		N Catalyst
88400-0640		Copper turnings
88400-0635		Furnace Reagent







#### ACCELERATORS FOR THE INDUCTION FURNACE


90220		Tungsten, premium, 2,500 g
90260		Iron accelerator, premium, 908 g
88600-0013		Iron accelerator, high purity, 454 g
88600-0010		Eltracell tungsten-tin accelerator, 750 g
90280		Tin accelerator, 908 g
90240		Copper accelerator, 1392 g

#### COMBUSTION SUPPORT FOR THE RESISTANCE FURNACE

90840		Quartz sand, 100 g
88600-0008		Combsolid, 100 g

#### GENERAL TOOLS AND ACCESSORIES

23110		Spatula, 1 piece, M size
23111		Spatula, 1 piece, L size
23113		Spoon, 1 piece, for dosing sample and accelerator in CS series
46245		Boat tray
90145		Tongs for ceramic crucibles and boats, 220 mm 1 piece, for CS series
88400-0213		Tongs for graphite crucibles, 1 piece, for ONH series
88400-0229		Tweezers (160 mm), curved, 1 piece


88400-0472  Tweezers (145 mm), straight, 1 piece

88400-0475  Set with 6 spatula and 1 tweezers, for multiple weighing procedures


88400-0476  Micro spatula, 1 piece, XS size, for filling small capsules

#### TOOLS FOR STORAGE, TRANSPORTING AND WEIGHING


36121  Quartz boat, 1 piece, 74 x 22 x 10 mm, 1 piece, for weighing pins

71010  Brush, 16 mm, 1 piece, for cleaning balance from dust


88400-0477  Weighing boat, 1 piece, for weighing and usage of granulates


88600-0015  Crucible holder, for storage of crucibles

90146  Steel pot for preheated crucibles and used crucibles


90179  Vacuum pipettes 150 x 3.5 mm, for sampling molten steel, 1000 pieces

#### TOOLS FOR MAINTENANCE


88400-0473  Powder funnel (plastics), 1 piece, for easy filling of chemical tubes






88400-0489  Rubber plug 14 x 20 x 24 mm, 1 piece, for sealing small glass tubes like 88400-0006

88400-0490  Rubber plug 29 x 35 x 30 mm, 1 piece, for sealing big glass tubes like 09090

71010  Brush, 16 mm, 1 piece, for cleaning balance from dust






88400-0332  Threaded rod M4x150, 1 piece, for removing paper filter holder

88400-0500  Telescope mirror, 1 piece, for inspection of upper electrode of ONH-p/ONH-2000



71032		Composite brush, 1 piece, for cleaning upper electrode of ONH-p furnace
71035		Cleaning brush / furnace brush, 1 piece, for cleaning sample inlet of ONH furnaces
71031		Metal brush, 1 piece, for cleaning graphite tip and its holder
88400-0504		Cylinder brush, brass, for intensive cleaning of lower furnace
88400-0501		Micro brush, 1 piece, for cleaning of ONH series furnace outlet tube


## CONSUMABLES FOR ELTRA CS, CHS AND SPECIAL ANALYZERS

### CRUCIBLES AND LIDS FOR THE COMBUSTION FURNACE

90149		Ceramic crucibles, premium, Ø 1", foil-wrapped, 1,000 pieces
90148		Ceramic crucibles, premium, Ø 1", bagged, 1,000 pieces
88400-0176		Ceramic filtering crucibles, 100 pieces
88400-0142		Ceramic filtering crucibles, small version, 100 pieces
88600-0014		Ceramic lids, 10 mm hole, 250 pieces
88600-0017		Ceramic lids, 4 mm hole, 1000 pieces
26063		Ceramic crucibles for TGA
26053		Ceramic lid for TGA


### BOATS FOR THE RESISTANCE FURNACE

90153		Re-usable ceramic boats, premium, 58 x 22 x 14 mm, 500 pieces
90160		Disposable porcelain boats, 86 x 13 x 10 mm, 1,000 pieces


88600-0011  Re-usable ceramic boats, 95 x 13 x 10 mm, 500 pieces

88400-0502  Re-usable inconel boat, 54 x 18 x 13.5 mm, 1 piece

88400-0503  Re-usable inconel boat, 54 x 18 x 9 mm, 1 piece

36120  Quartz boat, 75 x 16 x 7.5 mm, 1 piece

36121  Quartz boat, 74 x 22 x 10 mm, 1 piece

46160  Combustion boat SurfaceC-800

## TOOLS

36216  Combustion boat insertion stick, 1 piece (not suitable for CS-d)

36217  Combustion boat removing stick, 380 mm, 1 piece (not suitable for CS-d)

36216-2001 Combustion boat insertion stick, 1 piece (only for CS-d)

36218-2001 Combustion boat removing stick, 1 piece (only for CS-d)

88400-0499  Safety glasses, 1 piece protection when working with hot furnace

88600-0009  Screen glass with edge guard, 1 piece protection when working with hot furnace

## CONSUMABLES & TOOLS FOR CN-R

88400-0637 Ash container for CN-r furnace

88400-0474 Tin foils, small for application of samples

## CONSUMABLES FOR ELTRA ONH ANALYZERS

### CAPSULES, FOILS AND FLUXES FOR ONH ANALYSIS

90257  Nickel capsules, 3.2x7 mm, 100 pieces

90256



Nickel capsules, 4.5 x 10 mm, 250 pieces

88400-0066



Nickel capsules, pressed, 12.5 x 5 mm, 100 pieces

90252



Tin capsules, 5 x 18 mm, 100 pieces

88400-0474

Tin foil, 36x36 mm, cup form, 200 pieces

#### BASKETS (REQUIRED FOR OXYGEN AND NITROGEN DETERMINATION IN REFRACTORIES)

90250



Nickel baskets, 100 pieces, 1 g each

88600-0012



Nickel baskets, high purity (low oxygen),  
100 pieces, 1 g each

#### FLUXES (REQUIRED FOR SOME APPLICATIONS)

90251



Tin pellets, 454 g (for determination of hydrogen in titanium)

90800



Graphite, 50 g (improves oxygen determination)

90258



Nickel accelerator, 100 g (for analysis of high amount of refractories)

#### CRUCIBLES

88400-0471

Graphite crucibles, 400 pieces (recommended for autoloader operation)

90190



Graphite crucibles, 400 pieces (for copper, brass and steel analysis)

90180



Inner graphite crucibles, 100 pieces (requires outer graphite crucible 90185)

90185




Outer graphite crucibles, 50 pieces


## CALIBRATION MATERIAL FOR INDUCTION FURNACES

### STEEL / CAST IRON

92400-3020  Steel, 150 g, 0.001 – 0.01 % C Details

92400-3030  Steel, 150 g, 0.01 – 0.05 % C Details


92400-3050  Steel, 150 g, 0.1 – 0.2 % C Details

92400-3060  Steel, 150 g, 0.2 – 0.5 % C Details

92400-3061 Steel, 150 g, 0.2 – 0.5 % C Details

92400-3062 Steel, 150 g, 0.2 – 0.5 % C Details

92400-3070  Steel, 150 g, 0.5 – 1.0 % C Details

92400-3090  Cast iron, 150 g, 2.0 – 3.0 % C Details

92400-3091 Cast iron, 150 g, 2.0 – 3.0 % C Details

92400-3100  Cast iron, 150 g, 3.0 – 5.0 % C Details

92400-3101 Cast iron, 150 g, 3.0 – 5.0 % C Details

92400-3102 Cast iron, 150 g, 3.0 – 5.0 % C Details

92400-4005 Steel, 150 g, ~0.05 % S Details

92400-4010 Steel, 150 g, ~0.1 % S Details

92400-4020 Steel, 150 g, ~3 % S Details

#### STEEL PINS; NOMINAL WEIGHT 1 G

92500-1001 C/S pins, 454 g, ~0.2 %~C

92500-1002 C/S pins, 454 g, ~0.4 %~C

92500-1003 C/S pins, 454 g, ~0.8 %~C

92500-2001 C/S pins, 454 g, ~0.2 % S

#### TUNGSTEN CARBIDE

90816-3001  Tungsten carbide, 100 g, ~6.1 % C

## OTHER CALIBRATION MATERIAL SUITABLE FOR RESISTANCE AND INDUCTION FURNACE

90812-3001



Limestone, 25 g, 0.04 % S

90812-3002



Limestone, 25 g, 0.4 % S

90812-3003

Limestone, 25 g, < 5 % C

90812-3004

Limestone, 25 g, 5 – 10 % C

90817-3001

Soil, 25 g, > 2 % C, S

90817-3002

Soil, 25 g, < 1 % C, S

90817-3003

Soil, 25 g, > 2 % C, S

90817-3004

Soil, 25 g, < 2 % C, < 1 % S

91900-1001



Ore, 30 g, ~1.4 % S

91900-1002



Ore, 30 g, ~4.2 % S

91900-1003

Ore, 30 g, ~3 % S

91900-2001

Zinc sulfide, 50 g, 32 % S

90810



Calcium carbonate, 100 g

90821



Barium sulphate, 50 g

## OTHER CALIBRATION MATERIAL ONLY SUITABLE FOR RESISTANCE FURNACE

90710-3010



EDTA, 50 g

90710-3030

Sucrose, 50 g

90824



Sulfanilic acid, 50 g

90700-1040



Calcium oxalate, 50 g

## COAL, ONLY SULFUR CERTIFIED

92511-3005

Coal, 50 g, <0.1 % S Details

92511-3010  Coal, 50 g, 0.1 – 0.5 % S [Details](#)

92511-3020  Coal, 50 g, 0.5 – 1.0 % S [Details](#)

92511-3030  Coal, 50 g, 1.0 – 1.5 % S [Details](#)

92511-3040  Coal, 50 g, 1.5 – 2.0 % S [Details](#)

92511-3050  Coal, 50 g, 2.0 – 3.0 % S [Details](#)


92511-3060  Coal, 50 g, 3.0 – 4.0 % S [Details](#)

92511-3070  Coal, 50 g, 4.0 – 5.0 % S [Details](#)

92511-3080  Coal, 50 g, >5.0 % S [Details](#)

#### COAL, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT, CERTIFIED

92550-3010  Coal, premium, 50 g, < 1.0 % S [Details](#)

92550-3020  Coal, premium, 50 g, > 1 % S [Details](#)

92550-3040  Coal, premium, 50 g, 1.0 – 3.0 % S [Details](#)


92550-3060  Coal, premium, 50 g, > 3.0 % S [Details](#)

#### COKE, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT, CERTIFIED

92560-3010  Coke, premium, 50 g [Details](#)

#### PET COKE, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT CERTIFIED

92570-3020  Pet coke, 50 g, > 1 % S [Details](#)

92570-3040  Coal, premium, 50 g, > 1 % S [Details](#)

LIQUID CALIBRATION MATERIAL


**CALIBRATION MATERIALS**

**Calibration materials may show slight variations depending on the current lot.**


**To see the current certification please visit [www.ELTRA.com](http://www.ELTRA.com).**

OXYGEN AND NITROGEN IN STEEL, PINS

91100-1001  Steel, 100 pins, 1 g each, 25-40 ppm N [Details](#)

91100-1002  Steel, 100 pins, 1 g each, 30-70 ppm N [Details](#)

91100-1003  Steel, 100 pins, 1 g each, 150-250 ppm N [Details](#)

91100-1005  Steel, 100 pins, 1 g each, 300-600 ppm N [Details](#)


91100-1007 Steel, 100 pins, 1 g each, 70-130 ppm N [Details](#)

91100-1010 Steel, 100 pins, 1 g each, >1000 ppm N [Details](#)

91100-1011 Steel, 100 pins, 1 g each, 600-1000 ppm N [Details](#)

HYDROGEN IN STEEL, PINS

91400-1001  Steel, 100 pins, 1 g each, 0.5-1 ppm H [Details](#)

91400-1002  Steel, 100 pins, 1 g each, 1.5-4 ppm H [Details](#)

HYDROGEN IN STEEL, BALLS

91110  Steel, 100 balls, gold plated, 1 g each, >1.9 ppm H [Details](#)






OXYGEN AND SULFUR IN COPPER, PINS

91000-1003 Copper, 100 pins, 1 g each, ~200 ppm O; 10 – 20 ppm S [Details](#)

91000-1004  Copper, 100 pins, 1 g each, ~10 ppm O; 10 – 20 ppm S [Details](#)

## OXYGEN IN COPPER, PINS

## OXYGEN, NITROGEN AND HYDROGEN IN TITANIUM, PINS

91205-1001		Titanium, 100 pins, 0.1 g each, 10-35 ppm H Details
91205-1002		Titanium, 100 pins, 0.1 g each, 20-70 ppm H Details
91205-1003		Titanium, 100 pins, 0.1 g each, 30-90 ppm H Details
91205-1004		Titanium, 100 pins, 0.1 g each, 60-120 ppm H Details
91205-1005		Titanium, 100 pins, 0.1 g each, 150-250 ppm H Details
91205-1006		Titanium, 100 pins, 0.1 g each, 120-150 ppm H Details

## HYDROGEN AND CARBON IN TITANIUM, PINS (250 MG)

91305-1001	Titanium, 100 pins, 0.25 g each, < 50 ppm H Details
91305-1002	Titanium, 100 pins, 0.25 g each, 50 – 100 ppm H Details
91305-1003	Titanium, 100 pins, 0.25 g each, > 100 ppm H Details

## IRON POWDER














91500-1001	Iron powder, ~1 % O <sub>2</sub>
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

[www.eltra.com/consumables](http://www.eltra.com/consumables)

## INFORMAȚII DESPRE COMANDĂ







### GENERAL CHEMICALS, WOOLS AND FILLINGS

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
90200		Anhydron (magnesium perchlorate), 454 g 1)
90210		Sodium hydroxide, 500 g 1)
90270		Schuetze reagent, 100 g 1)
90289		Copper II oxide, 100 g 1)
88400-0535		Pt/Si catalyst, 15 g
90331		Glass wool, 454 g
90332		Glass wool, 50 g
90340		Cellulose, 50 g
90341		Cellulose, 50 g
90330		Quartz wool, 50 g
92610		Tube of high vacuum grease, 35 g
88400-0122		Filling for carrier gas purification furnace (optional for CS analyzers)
90426-1001		Filling for carrier gas purification furnace (optional for ONH analyzers)
91000-1005		Copper, flakes, 25 g

88400-0508		Steel wool, 454 g
90234		Filling for halogen trap, potassium iodide
90235		Filling for halogen trap, antimony
88600-0021		Copper oxide wire (0.5*2 mm), 100 g (could be used alternatively to Pt/Si catalyst)
88400-0636		Copper Sticks
84000-0638		N Catalyst
88400-0640		Copper turnings
88400-0635		Furnace Reagent










**ACCELERATORS FOR THE INDUCTION FURNACE**

90220		Tungsten, premium, 2,500 g
90260		Iron accelerator, premium, 908 g
88600-0013		Iron accelerator, high purity, 454 g
88600-0010		Eltracell tungsten-tin accelerator, 750 g
90280		Tin accelerator, 908 g
90240		Copper accelerator, 1392 g






**COMBUSTION SUPPORT FOR THE RESISTANCE FURNACE**

90840		Quartz sand, 100 g
88600-0008		Combsolid, 100 g











**GENERAL TOOLS AND ACCESSORIES**

23110		Spatula, 1 piece, M size
23111		Spatula, 1 piece, L size
23113		Spoon, 1 piece, for dosing sample and accelerator in CS series
46245		Boat tray
90145		Tongs for ceramic crucibles and boats, 220 mm 1 piece, for CS series
88400-0213		Tongs for graphite crucibles, 1 piece, for ONH series
88400-0229		Tweezers (160 mm), curved, 1 piece
88400-0472		Tweezers (145 mm), straight, 1 piece
88400-0475		Set with 6 spatula and 1 tweezers, for multiple weighing procedures
88400-0476		Micro spatula, 1 piece, XS size, for filling small capsules

#### TOOLS FOR STORAGE, TRANSPORTING AND WEIGHING



36121		Quartz boat, 1 piece, 74 x 22 x 10 mm, 1 piece, for weighing pins
71010		Brush, 16 mm, 1 piece, for cleaning balance from dust
88400-0477		Weighing boat, 1 piece, for weighing and usage of granulates
88600-0015		Crucible holder, for storage of crucibles
90146		Steel pot for preheated crucibles and used crucibles
90179		Vacuum pipettes 150 x 3.5 mm, for sampling molten steel, 1000 pieces

## TOOLS FOR MAINTENANCE

88400-0473		Powder funnel (plastics), 1 piece, for easy filling of chemical tubes
88400-0489		Rubber plug 14 x 20 x 24 mm, 1 piece, for sealing small glass tubes like 88400-0006
88400-0490		Rubber plug 29 x 35 x 30 mm, 1 piece, for sealing big glass tubes like 09090
71010		Brush, 16 mm, 1 piece, for cleaning balance from dust
88400-0332		Threaded rod M4x150, 1 piece, for removing paper filter holder
88400-0500		Telescope mirror, 1 piece, for inspection of upper electrode of ONH-p/ONH-2000
71032		Composite brush, 1 piece, for cleaning upper electrode of ONH-p furnace
71035		Cleaning brush / furnace brush, 1 piece, for cleaning sample inlet of ONH furnaces
71031		Metal brush, 1 piece, for cleaning graphite tip and its holder
88400-0504		Cylinder brush, brass, for intensive cleaning of lower furnace
88400-0501		Micro brush, 1 piece, for cleaning of ONH series furnace outlet tube

## CONSUMABLES FOR ELTRA CS, CHS AND SPECIAL ANALYZERS

### CRUCIBLES AND LIDS FOR THE COMBUSTION FURNACE

90149		Ceramic crucibles, premium, Ø 1", foil-wrapped, 1,000 pieces
90148		Ceramic crucibles, premium, Ø 1", bagged, 1,000 pieces
88400-0176		Ceramic filtering crucibles, 100 pieces
88400-0142		Ceramic filtering crucibles, small version, 100 pieces

88600-0014



Ceramic lids, 10 mm hole, 250 pieces

88600-0017

Ceramic lids, 4 mm hole, 1000 pieces

26063



Ceramic crucibles for TGA

26053



Ceramic lid for TGA

#### BOATS FOR THE RESISTANCE FURNACE

90153



Re-usable ceramic boats, premium, 58 x 22 x 14 mm, 500 pieces

90160



Disposable porcelain boats, 86 x 13 x 10 mm, 1,000 pieces

88600-0011



Re-usable ceramic boats, 95 x 13 x 10 mm, 500 pieces

88400-0502



Re-usable inconel boat, 54 x 18 x 13.5 mm, 1 piece

88400-0503



Re-usable inconel boat, 54 x 18 x 9 mm, 1 piece

36120



Quartz boat, 75 x 16 x 7.5 mm, 1 piece

36121



Quartz boat, 74 x 22 x 10 mm, 1 piece

46160



Combustion boat SurfaceC-800

#### TOOLS

36216



Combustion boat insertion stick, 1 piece (not suitable for CS-d)

36217



Combustion boat removing stick, 380 mm, 1 piece (not suitable for CS-d)

36216-2001

Combustion boat insertion stick, 1 piece (only for CS-d)

36218-2001

Combustion boat removing stick, 1 piece (only for CS-d)

88400-0499



Safety glasses, 1 piece protection when working with hot furnace

88600-0009



Screen glass with edge guard, 1 piece protection when working with hot furnace

## CONSUMABLES & TOOLS FOR CN-R

88400-0637

Ash container for CN-r furnace

88400-0474

Tin foils, small for application of samples

## CONSUMABLES FOR ELTRA ONH ANALYZERS

### CAPSULES, FOILS AND FLUXES FOR ONH ANALYSIS

90257



Nickel capsules, 3.2x7 mm, 100 pieces

90256



Nickel capsules, 4.5 x 10 mm, 250 pieces

88400-0066



Nickel capsules, pressed, 12.5 x 5 mm, 100 pieces

90252



Tin capsules, 5 x 18 mm, 100 pieces

88400-0474

Tin foil, 36x36 mm, cup form, 200 pieces

### BASKETS (REQUIRED FOR OXYGEN AND NITROGEN DETERMINATION IN REFRACTORIES)

90250



Nickel baskets, 100 pieces, 1 g each

88600-0012



Nickel baskets, high purity (low oxygen),  
100 pieces, 1 g each

### FLUXES (REQUIRED FOR SOME APPLICATIONS)

90251



Tin pellets, 454 g (for determination of hydrogen in titanium)

90800



Graphite, 50 g (improves oxygen determination)

90258



Nickel accelerator, 100 g (for analysis of high amount of refractories)

## CRUCIBLES

88400-0471

Graphite crucibles, 400 pieces (recommended for autoloader operation)

90190



Graphite crucibles, 400 pieces (for copper, brass and steel analysis)

90180



Inner graphite crucibles, 100 pieces (requires outer graphite crucible 90185)

90185



Outer graphite crucibles, 50 pieces

## CALIBRATION MATERIAL FOR INDUCTION FURNACES

### STEEL / CAST IRON

92400-3020



Steel, 150 g, 0.001 – 0.01 % C Details

92400-3030



Steel, 150 g, 0.01 – 0.05 % C Details

92400-3050



Steel, 150 g, 0.1 – 0.2 % C Details

92400-3060



Steel, 150 g, 0.2 – 0.5 % C Details

92400-3061

Steel, 150 g, 0.2 – 0.5 % C Details

92400-3062

Steel, 150 g, 0.2 – 0.5 % C Details

92400-3070



Steel, 150 g, 0.5 – 1.0 % C Details

92400-3090



Cast iron, 150 g, 2.0 – 3.0 % C Details

92400-3091

Cast iron, 150 g, 2.0 – 3.0 % C Details

92400-3100



Cast iron, 150 g, 3.0 – 5.0 % C Details

92400-3101

Cast iron, 150 g, 3.0 – 5.0 % C Details

92400-3102	Cast iron, 150 g, 3.0 – 5.0 % C Details
92400-4005	Steel, 150 g, ~0.05 % S Details
92400-4010	Steel, 150 g, ~0.1 % S Details
92400-4020	Steel, 150 g, ~3 % S Details

#### STEEL PINS; NOMINAL WEIGHT 1 G


92500-1001	C/S pins, 454 g, ~0.2 %~C
92500-1002	C/S pins, 454 g, ~0.4 %~C
92500-1003	C/S pins, 454 g, ~0.8 %~C
92500-2001	C/S pins, 454 g, ~0.2 % S

#### TUNGSTEN CARBIDE

90816-3001	 Tungsten carbide, 100 g, ~6.1 % C
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#### OTHER CALIBRATION MATERIAL SUITABLE FOR RESISTANCE AND INDUCTION FURNACE

90812-3001	 Limestone, 25 g, 0.04 % S
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90812-3002	 Limestone, 25 g, 0.4 % S
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90812-3003	Limestone, 25 g, < 5 % C
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90812-3004	Limestone, 25 g, 5 – 10 % C
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90817-3001	Soil, 25 g, > 2 % C, S
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90817-3002	Soil, 25 g, < 1 % C, S
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90817-3003	Soil, 25 g, > 2 % C, S
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90817-3004	Soil, 25 g, < 2 % C, < 1 % S
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
91900-1001	 Ore, 30 g, ~1.4 % S
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91900-1002	 Ore, 30 g, ~4.2 % S
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91900-1003	Ore, 30 g, ~3 % S
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91900-2001	Zinc sulfide, 50 g, 32 % S
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90810  Calcium carbonate, 100 g

90821  Barium sulphate, 50 g

OTHER CALIBRATION MATERIAL ONLY SUITABLE FOR RESISTANCE FURNACE

90710-3010  EDTA, 50 g


90710-3030 Sucrose, 50 g

90824  Sulfanilic acid, 50 g


90700-1040  Calcium oxalate, 50 g

COAL, ONLY SULFUR CERTIFIED

92511-3005 Coal, 50 g, <0.1 % S [Details](#)

92511-3010  Coal, 50 g, 0.1 – 0.5 % S [Details](#)

92511-3020  Coal, 50 g, 0.5 – 1.0 % S [Details](#)

92511-3030  Coal, 50 g, 1.0 – 1.5 % S [Details](#)

92511-3040  Coal, 50 g, 1.5 – 2.0 % S [Details](#)

92511-3050  Coal, 50 g, 2.0 – 3.0 % S [Details](#)


92511-3060  Coal, 50 g, 3.0 – 4.0 % S [Details](#)

92511-3070  Coal, 50 g, 4.0 – 5.0 % S [Details](#)

92511-3080  Coal, 50 g, >5.0 % S [Details](#)

COAL, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT, CERTIFIED

92550-3010 Coal, premium, 50 g, < 1.0 % S Details

92550-3020  Coal, premium, 50 g, > 1 % S Details

92550-3040  Coal, premium, 50 g, 1.0 – 3.0 % S Details

92550-3060  Coal, premium, 50 g, > 3.0 % S Details

COKE, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT, CERTIFIED

92560-3010  Coke, premium, 50 g Details

PET COKE, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT CERTIFIED

92570-3020 Pet coke, 50 g, > 1 % S Details

92570-3040 Coal, premium, 50 g, > 1 % S Details

LIQUID CALIBRATION MATERIAL


**CALIBRATION MATERIALS**

**Calibration materials may show slight variations depending on the current lot.**


**To see the current certification please visit [www.ELTRA.com](http://www.ELTRA.com).**

OXYGEN AND NITROGEN IN STEEL, PINS

91100-1001  Steel, 100 pins, 1 g each, 25-40 ppm N Details

91100-1002  Steel, 100 pins, 1 g each, 30-70 ppm N Details

91100-1003  Steel, 100 pins, 1 g each, 150-250 ppm N Details


91100-1005  Steel, 100 pins, 1 g each, 300-600 ppm N Details


91100-1007 Steel, 100 pins, 1 g each, 70-130 ppm N Details

91100-1010 Steel, 100 pins, 1 g each, >1000 ppm N [Details](#)

91100-1011 Steel, 100 pins, 1 g each, 600-1000 ppm N [Details](#)

#### HYDROGEN IN STEEL, PINS

91400-1001  Steel, 100 pins, 1 g each, 0.5-1 ppm H [Details](#)

91400-1002  Steel, 100 pins, 1 g each, 1.5-4 ppm H [Details](#)

#### HYDROGEN IN STEEL, BALLS

91110  Steel, 100 balls, gold plated, 1 g each, >1.9 ppm H [Details](#)

#### OXYGEN AND SULFUR IN COPPER, PINS


91000-1003  Copper, 100 pins, 1 g each, ~200 ppm O; 10 – 20 ppm S [Details](#)


91000-1004  Copper, 100 pins, 1 g each, ~10 ppm O; 10 – 20 ppm S [Details](#)


#### OXYGEN IN COPPER, PINS

#### OXYGEN, NITROGEN AND HYDROGEN IN TITANIUM, PINS

91205-1001  Titanium, 100 pins, 0.1 g each, 10-35 ppm H [Details](#)

91205-1002  Titanium, 100 pins, 0.1 g each, 20-70 ppm H [Details](#)

91205-1003  Titanium, 100 pins, 0.1 g each, 30-90 ppm H [Details](#)

91205-1004  Titanium, 100 pins, 0.1 g each, 60-120 ppm H [Details](#)

91205-1005  Titanium, 100 pins, 0.1 g each, 150-250 ppm H [Details](#)

91205-1006 Titanium, 100 pins, 0.1 g each, 120-150 ppm H [Details](#)

HYDROGEN AND CARBON IN TITANIUM, PINS (250 MG)

91305-1001 Titanium, 100 pins, 0.25 g each, < 50 ppm H Details

91305-1002 Titanium, 100 pins, 0.25 g each, 50 – 100 ppm H Details

91305-1003 Titanium, 100 pins, 0.25 g each, > 100 ppm H Details

IRON POWDER

91500-1001 Iron powder, ~1 % O<sub>2</sub>