ELTRA®
a VERDER company



FOR ELEMENTAL ANALYZERS

CONSUMABLES

www.eltra.com/products/consumables/

CONSUMABLES

FOR ELEMENTAL ANALYZERS

To ensure maximum performance, ELTRA supplies consumables for every elemental analyzer in its portfolio. These include crucibles, accelerators, reagents, chemicals, boats, foils, tubes, traps, and calibration materials tailored to specific analytical tasks.

Using original consumables with your element analyzer supports consistent results, improved reproducibility, and reduced maintenance issues. ELTRA consumables are developed for seamless compatibility with our instruments, helping laboratories maintain efficient workflows and dependable day-to-day operation. For routine measurements and demanding applications alike, the right consumables are essential for accurate and reliable elemental analysis.

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.



ELTRA

CONSUMABLES AT A GLANCE

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

CALIBRATION STANDARDS & CONSUMABLES

DOWNLOAD PDF → www.eltra.com/files/53457/calibration-standards-consumables.pdf

ORDERING INFORMATION

GENERAL CHEMICALS, WOOLS AND FILLINGS

GENERAL CHEMICALS, WOOLS AND FILLINGS

90200	Anhydrone (magnesium perchlorate), 454 g
90210	Sodium hydroxide, 500 g
90270	Schuetze reagent, 100 g
90289	Copper II oxide, 100 g
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, potasium 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

ORDERING INFORMATION

GENERAL CHEMICALS, WOOLS AND FILLINGS

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

ORDERING INFORMATION

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

ORDERING INFORMATION

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

ORDERING INFORMATION

CALIBRATION MATERIAL FOR INDUCTION FURNACES

STEEL / CAST IRON

92400-3020	Steel, 150 g, 0.001 – 0.01 % C
92400-3030	Steel, 150 g, 0.01 – 0.05 % C
92400-3050	Steel, 150 g, 0.1 – 0.2 % C
92400-3060	Steel, 150 g, 0.2 – 0.5 % C
92400-3061	Steel, 150 g, 0.2 – 0.5 % C
92400-3062	Steel, 150 g, 0.2 – 0.5 % C

ORDERING INFORMATION

CALIBRATION MATERIAL FOR INDUCTION FURNACES

STEEL / CAST IRON · CONTINUED

92400-3070	Steel, 150 g, 0.5 – 1.0 % C
92400-3090	Cast iron, 150 g, 2.0 – 3.0 % C
92400-3091	Cast iron, 150 g, 2.0 – 3.0 % C
92400-3100	Cast iron, 150 g, 3.0 – 5.0 % C
92400-3101	Cast iron, 150 g, 3.0 – 5.0 % C
92400-3102	Cast iron, 150 g, 3.0 – 5.0 % C
92400-4005	Steel, 150 g, ~0.05 % S
92400-4010	Steel, 150 g, ~0.1 % S
92400-4020	Steel, 150 g, ~3 % S

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

ORDERING INFORMATION

CALIBRATION MATERIAL FOR INDUCTION FURNACES

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
92511-3010	Coal, 50 g, 0.1 – 0.5 % S
92511-3020	Coal, 50 g, 0.5 – 1.0 % S
92511-3030	Coal, 50 g, 1.0 – 1.5 % S
92511-3040	Coal, 50 g, 1.5 – 2.0 % S
92511-3050	Coal, 50 g, 2.0 – 3.0 % S
92511-3060	Coal, 50 g, 3.0 – 4.0 % S
92511-3070	Coal, 50 g, 4.0 – 5.0 % S
92511-3080	Coal, 50 g, >5.0 % S

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

92550-3010	Coal, premium, 50 g, < 1.0 % S
92550-3020	Coal, premium, 50 g, ~ 1 % S
92550-3040	Coal, premium, 50 g, 1.0 – 3.0 % S
92550-3060	Coal, premium, 50 g, > 3.0 % S

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

92560-3010	Coke, premium, 50 g

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

92570-3020	Pet coke, 50 g, ~ 1 % S
92570-3040	Coal, premium, 50 g, ~ 1 % S

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CALIBRATION MATERIALS

Calibration materials may show slight variations depending on the current lot. To see the current certification please visit www.ELTRA.com.

OXYGEN AND NITROGEN IN STEEL, PINS

91100-1001	Steel, 100 pins, 1 g each, 25-40 ppm N
91100-1002	Steel, 100 pins, 1 g each, 30-70 ppm N
91100-1003	Steel, 100 pins, 1 g each, 150-250 ppm N

ORDERING INFORMATION

CALIBRATION MATERIALS

OXYGEN AND NITROGEN IN STEEL, PINS · CONTINUED

91100-1005	Steel, 100 pins, 1 g each, 300-600 ppm N
91100-1007	Steel, 100 pins, 1 g each, 70-130 ppm N
91100-1010	Steel, 100 pins, 1 g each, >1000 ppm N
91100-1011	Steel, 100 pins, 1 g each, 600-1000 ppm N

HYDROGEN IN STEEL, PINS

91400-1001	Steel, 100 pins, 1 g each, 0.5-1 ppm H
91400-1002	Steel, 100 pins, 1 g each, 1.5-4 ppm H

HYDROGEN IN STEEL, BALLS

91110	Steel, 100 balls, gold plated, 1 g each, >1.9 ppm H

OXYGEN AND SULFUR IN COPPER, PINS

91000-1003	Copper, 100 pins, 1 g each, ~200 ppm O; 10 – 20 ppm S
91000-1004	Copper, 100 pins, 1 g each, ~10 ppm O; 10 – 20 ppm S

OXYGEN, NITROGEN AND HYDROGEN IN TITANIUM, PINS

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

HYDROGEN AND CARBON IN TITANIUM, PINS (250 MG)

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

IRON POWDER

91500-1001	Iron powder, ~1 % O2

CONSUMABLES

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SAFETY DATA SHEETS

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