



**ALPHA**  
RESOURCES LLC

*Value beyond measure*

## Reference Card: ELTRA CS-d



### Ceramic Crucibles, Lids, Boats, and Liners

| Alpha#     | ELTRA#     | Description                     | UOM  |
|------------|------------|---------------------------------|------|
| AR3818F    | 90149      | Ceramic Crucibles, Foil Wrapped | 1000 |
| AR3818     | 90148      | Ceramic Crucibles, Bagged       | 1000 |
| AR3818B    |            | Ceramic Crucibles, Bagged       | 500  |
| AR3818P    |            | Ceramic Crucible, Bagged        | 50   |
| AR3818HP   |            | Ceramic Crucible, Low Blank     | 500  |
| AR8028     | 88400-0176 | Filtering Crucible              | 100  |
| AR9880     | 88600-0014 | Crucible Lids (10mm Hole)       | 1000 |
| AR040      | 88600-0017 | Crucible Lids (4mm Hole)        | 1000 |
| AR8203     | 90153      | Ceramic Boat                    | 500  |
| AR8203-250 |            | Ceramic Boat                    | 250  |
| AR8203P    |            | Ceramic Boat                    | 50   |
| AR8053     | 88600-0011 | Ceramic Boat                    | 1000 |
| AR8053P    |            | Ceramic Boat                    | 20   |
| AR5430     | 88400-0502 | Nickel Boat (54x18x13.5mm)      | 250  |

### Catalyst and Reagents

| Alpha#  | ELTRA#     | Description             | UOM  |
|---------|------------|-------------------------|------|
| AR171   | 90200      | AlphaDri Anhydron       | 454g |
| AR2174  | 90210      | Alphasolve II (20-30m)  | 500g |
| AR2176  | 90210      | Alphasolve III (8-20m)  | 500g |
| AR170   | 90289      | Rare Earth Copper Oxide | 50g  |
| AR081   | 90331      | Glass Wool              | 454g |
| AR177   | 90330      | Quartz Wool             | 50g  |
| AR912   | 88400-0535 | PT/Si Catalyst          | 15g  |
| AEB1002 | 88600-0021 | Copper Oxide Wire       | 100g |



**AR8203**  
Combustion Boat  
w/liner AR2343



**Ceramic Crucibles  
for Induction Furnace**  
AR3818F (90149) Foil Wrapped  
AR3818 (90148) Bagged

### Accelerators, Fluxes and Combustion Aids

| Alpha# | ELTRA#     | Description                  | UOM   |
|--------|------------|------------------------------|-------|
| AR027  | 88400-0912 | Tungsten (-20+40 Mesh)       | 5lbs  |
| AR027B |            | Tungsten Bulk (-20+40 Mesh)  | 30lbs |
| AR266  |            | Tungsten (-12+20 Mesh)       | 5lbs  |
| AR266B |            | Tungsten Bulk (-12+20 Mesh)  | 30lbs |
| AR077  | 90260      | Iron Chip                    | 2lbs  |
| AR467  |            | Iron Chip Bulk               | 25lbs |
| AR263  | 90240      | Copper Metal                 | 3lbs  |
| AR366  |            | Copper Metal Bulk            | 25lbs |
| AR008  | 88600-0010 | Tungsten/Tin                 | 5lbs  |
| AR008B |            | Tungsten/Tin Bulk            | 30lbs |
| AR426  | 88400-0008 | Combustion Control (Solids)  | 454g  |
| AR427  | 88400-0008 | Combustion Control (Liquids) | 454g  |
| AR321  | 88400-0329 | AlphaCat                     | 250g  |
| AR636  |            | Vanadium Pentoxide           | 250g  |

### Combustion, Reagent Tubes

| Alpha#  | ELTRA# | Description                 |
|---------|--------|-----------------------------|
| AR14130 | 14130  | Combustion Tube             |
| AR11062 | 11062  | Reagent Tube                |
| AR20040 | 20040  | Quartz Catalyst Tube        |
| AR90162 | 90162  | Ceramic Combustion Tube     |
| AR09090 | 09090  | Reagent Tube                |
| AR09092 | 09092  | Reagent Tube Large Capacity |
| AR36101 | 36101  | Boat Stop                   |



**Dust Filter**  
AR311  
(11105)



**Combustion Tube Brush**  
AR14045 (14045)



**Heat Shield**  
AR14072 (14072)

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## Operating Supplies

| Alpha#   | ELTRA#     | Description                   |
|----------|------------|-------------------------------|
| AR36445  | 36445      | Boat Platform                 |
| AR77500  | 77500      | Heating Elements (4pcs)       |
| AR36217  | 36217-2001 | Boat Removal Stick            |
| AR36216  | 36216-2001 | Boat Insertion Stick          |
| AR929    | 90145      | Tongs for Crucibles           |
| AR936    |            | Sample Scoop (Glass)          |
| AR311    | 11105      | SST Dust Filter               |
| AR14045  | 14045      | Auto Cleaner Combustion Brush |
| AR14072  | 14072      | Heat Shield                   |
| AR14168  | 14168      | Pedestal for Ceramic Crucible |
| AR14072B | 71031      | Metal Cleaning Brush          |
| AR71036  | 71030      | Dust Filter Brush             |

## O-rings

| Alpha#  | ELTRA# | Description |
|---------|--------|-------------|
| AR70210 | 70210  | O-ring      |
| AR70230 | 70230  | O-ring      |
| AR70350 | 70350  | O-ring      |
| AR70370 | 70370  | O-ring      |
| AR70320 | 70320  | O-ring      |
| AR70380 | 70380  | O-ring      |
| AR70390 | 70390  | O-ring      |
| AR70120 | 70120  | O-ring      |



## Inorganic Carbon and Sulfur Standards

\*please note—standard values may vary, contact Alpha or visit our website for current values\*

| Material | Type        | Wgt    | Carbon Range | Sulfur Range |
|----------|-------------|--------|--------------|--------------|
| Steel    | Ring        | 1g     | 0.001-0.800  | 0.0003-0.025 |
| Steel    | Pin         | 0.5-1g | 0.01-2.5     | 0.0001-0.280 |
| Steel    | Chip/Powder |        | 0.005-1.0    | 0.006-0.120  |
| WC       | Powder      |        | 6.13         | 0.0055       |
| Iron     | Chip/Powder |        | 0.0006-4.20  | 0.0011-0.100 |
| Titanium | Pin         | 0.25g  | 0.008-0.019  |              |
| Copper   | Pin         | 1g     |              | 0.01-0.02    |

## Organic Carbon and Sulfur Standards

\*please note—standard values may vary, contact Alpha or visit our website for current values\*

| Material   | Type   | Carbon Range | Sulfur Range |
|------------|--------|--------------|--------------|
| Oils       | Liquid |              | 0.0011-6%    |
| Gasoline   | Liquid |              | 0.0010-0.2%  |
| Coal/Cokes | Powder | 20-100%      | 0.00-7%      |
| Ore        | Powder | 1-8%         | 1-3%         |
| Soil       | Powder | 1-16%        | 0.03-1%      |

A complete list of standards Alpha offers can be found on our website, including stock status, Certificate of Analysis, and values

