

# PlasmaCAL Tuning Solutions

## New standards for use with Agilent, Thermo, PE, Spectro ICP-OES and/or ICP MS systems

**SCP SCIENCE introduces tuning solutions for new and existing ICP systems.**

- ◆ Complete with a detailed Certificate of Analysis
- ◆ Certified Values are guaranteed to +/- 0.5% of actual concentration
- ◆ Confidence in long-term stability and accuracy
- ◆ Two expiry dates (Expiration of 15 months for unopened bottle and 12 months once the bottle is opened)



# PlasmaCAL Tuning Solutions\*

| Catalogue No. | Description   | Elements/Concentrations (ppm)   | Matrix                            |
|---------------|---|---|-----------------------------------|
| 140-131-011   | <i>PlasmaCAL</i> - Multi Element Std, USP 232 (1)                             | As(15), Cd(5), Cr(250), Cu(2500), Hg(15), Mn(2500), Mo(250), Ni(250), Pb(10), V(250)  | 5.0% HNO <sub>3</sub>             |
| 140-131-021   | <i>PlasmaCAL</i> - Multi-Element Standard, USP 232 (II)                       | Ir(100), Os(100), Pd(100), Pt(100), Rh(100), Ru(100)  | 10.0% HCl                         |
| 140-128-201   | <i>PlasmaCAL</i> - Reprofiling Solution for Spectro CIROS                     | Fe(10), P(10), K(10), S(50), La(10), Sc(10), Mg(5), Ti(10), Mn(5)   | 5% HCl / 2% HNO <sub>3</sub>      |
| 140-128-301   | <i>PlasmaCAL</i> - Multi-Element Standard Tuning Solution for GENESIS ICP     | Be(2), Mo(5), Y(10), Ca(1), Na(5), Zr(10), Ce(10), Ni(10), Cu(10), P(10), Eu(10), S(50), Fe(10), Sc(5), In(10), Si(10), K(10), Sr(2), Li(2), Ti(10), Mn(5), V(10)   | 2% HNO <sub>3</sub> / 2% HCl      |
| 140-130-311   | <i>PlasmaCAL</i> - Multi-Element Standard Tuning Solution SCP12AES            | Al(100), Cu(100), S(100), As(100), K(100), Se(100), Ba(10), Mn(100), Tl(100), Cd(100), Pb(100), Zn(100)   | 5% HNO <sub>3</sub>               |
| 140-130-341   | <i>PlasmaCAL</i> - Multi-Element Standard Tuning Solution SCP14AES            | Al(50), Cr(50), Pb(50), As(50), K(500), Se(50), Ba(50), Mn(50), Sr(50), Cd(50), Mo(50), Zn(50), Co(50), Ni(50)  | 5% HNO <sub>3</sub>               |
| 140-130-351   | <i>PlasmaCAL</i> Multi-Element Standard Varian Vista Tuning Solution SCP15AES | Al(50), Cr(50), Ni(50), As(50), Cu(50), Pb(50), Ba(50), K(500), Se(50), Cd(50), Mn(50), Sr(50), Co(50), Mo(50), Zn(50)  | 5% HNO <sub>3</sub>               |
| 140-130-361   | <i>PlasmaCAL</i> - ICP/MS-SCP62 Tuning Solution for Thermo ICP/MS             | Ag(40), Al(50), As(250), B(200), Ba(50), Be(500), Bi(5), Ca(1000), Cd(100), Ce(10), Co(35), Cr(40), Cs(15), Cu(150), Dy(25), Er(15), Eu(10), Fe(20), Ga(45), Gd(45), Ge(150), Hf(15), Ho(5), In(10), K(35), La(10), Li(100), Lu(5), Mg(50), Mn(20), Mo(100), Na(40), Nb(20), Nd(45), Ni(150), P(1000), Pb(10), Pd(100), Pr(10), Rb(30), Re(15), Sb(40), Sc(30), Se(1250), Si(1000), Sm(45), Sn(45), Sr(20), Ta(5), Tb(5), Te(500), Th(5), Ti(500), Tl(10), Tm(5), U(5), V(40), W(25), Y(15), Yb(25), Zn(150), Zr(35), 5%HNO <sub>3</sub> / 0.5%HF | 5.0% HNO <sub>3</sub> / 0.5% HF   |
| 140-130-371   | <i>PlasmaCAL</i> - 7500 Series PA Tuning solution I                           | Al(5), Cr(5), Na(5), U(5), As(20), Cu(5), Ni(10), V(5), Ba(5), In(5), Pb(10), Y(2.5), Be(20), Li(5), Sc(5), Yb(2.5), Bi(5), Lu(5), Sr(5), Zn(20), Cd(20), Mg(10), Th(5), Co(5), Mn(5), Tl(5)  | 5.0% HNO <sub>3</sub>             |
| 140-130-381   | <i>PlasmaCAL</i> - 7500 Series PA Tuning Solution II                          | Ge(10), Ru(10), Ir(10), Sb(10), Mo(10), Sn(10), Pd(10), Ti(10)  | 1.0% HNO <sub>3</sub> / 10.0% HCl |
| 140-128-401   | <i>PlasmaCAL</i> - Tuning Solution  | As(200), Mn(200), Pb(200)   | 5.0% HNO <sub>3</sub>             |
| 140-128-411   | <i>PlasmaCAL</i> - Spectro IQ/ OQ Check Solution                              | Al(250), Na(250), As(250), Sc(250), Ba(250), Sr(250), Ca(250), Ti(250), Cd(255), Zn(250), Cu(250), Zr(255), Fe(250), K(1000), Li(255), Mg(250), Mn(255)   | 5.0% HNO <sub>3</sub>             |
| 140-135-011   | <i>PlasmaCAL</i> - Multi-Element Standard Tuning Solution A                   | Ag(10), Cu(10), Lu(10), Sm(10), Al(10), Dy(10), Mg(10), Sr(10), As(10), Er(10), Mn(10), Tb(10), Ba(10), Eu(10), Na(10), Th(10), Be(10), Fe(10), Nd(10), Tl(10), Bi(10), Ga(10), Ni(10), Tm(10), Ca(10), Gd(10), Pb(10), U(10), Cd(10), Ho(10), Pr(10), V(10), Ce(10), In(10), Rb(10), Y(10), Co(10), K(10), Sb(10), Yb(10), Cr(10), La(10), Sc(10), Zn(10), Cs(10), Li(10), Se(10), Zr(10)  |                                   |
| 140-135-021   | <i>PlasmaCAL</i> - Multi-Element Standard Tuning Solution B                   | Au(10), Pd(10), Ru(10), Hf(10), Pt(10), Sn(10), Ir(10), Rh(10), Te(10)  | 10% HCl                           |
| 140-135-031   | <i>PlasmaCAL</i> - Multi-Element Standard Tuning Solution C                   | B(10), P(10), Ta(10), Ge(10), Re(10), Ti(10), Mo(10), S(10), W(10), Nb(10), Si(10)  | H <sub>2</sub> O / tr. HF         |

\*packaged in 125ml bottles