

Lamp and working standard for Flame Atomic Absorption Spectrometry (FAAS)

| No. | EDL Lamp | Char. Conc. (mg/L) | Linear to Zero (mg/L) | Sensitivity Check Conc. (mg/L) | Sensitivity Check Abs. (mg/L) | -20% | +20% |
|-----|----------|--------------------|-----------------------|--------------------------------|-------------------------------|-------|-------|
| 1 | As | 0.59 | 55 | 25 | 0.186 | 0.149 | 0.224 |
| 2 | Cd | 0.01 | 1 | 0.5 | 0.220 | 0.176 | 0.264 |
| 3 | Pb | 0.18 | 10 | 8 | 0.196 | 0.156 | 0.235 |
| 4 | Se | 0.3 | 100 | 15 | 0.220 | 0.176 | 0.264 |

| No. | HCL Lamp | Char. Conc. (mg/L) | Linear to Zero (mg/L) | Sensitivity Check Conc. (mg/L) | Sensitivity Check Abs. (mg/L) | -20% | +20% |
|-----|----------|--------------------|-----------------------|--------------------------------|-------------------------------|-------|-------|
| 1 | Ag | 0.02 | 1 | 1.0 | 0.242 | 0.194 | 0.290 |
| 2 | Au* | 0.18 | 50 | 7 | 0.171 | 0.137 | 0.205 |
| 3 | B* | 13 | 400 | 600 | 0.203 | 0.162 | 0.244 |
| 4 | Ca* | 0.062 | 5 | 3 | 0.213 | 0.170 | 0.255 |
| 5 | Co | 0.053 | 1 | 3 | 0.249 | 0.199 | 0.299 |
| 6 | Cr* | 0.078 | 5 | 4 | 0.226 | 0.181 | 0.271 |
| 7 | Cu | 0.025 | 1.6 | 1.3 | 0.229 | 0.183 | 0.275 |
| 8 | Fe | 0.04 | 3 | 2 | 0.220 | 0.176 | 0.264 |
| 9 | K* | 0.02 | 1 | 1 | 0.220 | 0.176 | 0.264 |
| 10 | Mg | 0.004 | 0.25 | 0.18 | 0.220 | 0.176 | 0.264 |
| 11 | Mn | 0.016 | 0.6 | 1 | 0.275 | 0.220 | 0.330 |
| 12 | P* | 290 | 10000 | 140000 | - | - | - |
| 13 | Zn | 0.006 | 0.75 | 0.3 | 0.220 | 0.176 | 0.264 |

*A spacer is required for this element. For analysis of complex samples, the addition of a spacer may be desirable to reduce chemical interferences.