

Agilent Coded Hollow Cathode Lamps for all Agilent AA Systems

AGILENT CODED SINGLE ELEMENT LAMPS		
ELEMENT	CODED LAMP	UltraAA CODED LAMP
Aluminum – Al	5610100100	–
Antimony – Sb	5610100200	5610108000
Arsenic – As	5610100300	5610108100
Barium – Ba	5610100400	–
Beryllium – Be	5610100500	–
Bismuth – Bi	5610100600	5610134200
Boron – B	5610100700	5610135700
Cadmium – Cd	5610100800	–
Calcium – Ca	5610101000	–
Chromium – Cr	5610101200	–
Cobalt – Co	5610101300	5610134100
Copper – Cu	5610101400	5610109100
Germanium – Ge	–	5610134300
Gold – Au	5610102100	5610109000
Hafnium – Hf	5610102200	–
Iridium – Ir	5610102600	–
Iron – Fe	5610102700	5610108600
Lead – Pb	5610102900	5610108200
Lithium – Li	5610103000	–
Magnesium – Mg	5610103200	–
Manganese – Mn	5610103300	5610133700
Mercury – Hg	5610103400	–
Molybdenum – Mo	5610103500	–
Neodymium – Nd	5610103600	–
Nickel – Ni	5610103700	5610108500
Niobium – Nb	5610103800	–
Palladium – Pd	5610104000	5610135800
Phosphorus – P	5610107700	–
Platinum – Pt	5610104100	5610135900
Potassium – K	5610104200	–
Rhenium – Re	5610104400	–
Rhodium – Rh	5610104500	–
Selenium – Se	5610105000	5610108300
Silicon – Si	5610105100	5610133400
Silver – Ag	5610105200	–
Sodium – Na	5610105300	–
Strontium – Sr	5610105400	–
Tantalum – Ta	5610105500	–
Tellurium – Te	5610105600	5610134000
Thallium – Tl	5610105800	5610108400
Tin – Sn	5610106100	5610133900
Titanium – Ti	5610106200	–
Vanadium – V	5610106500	–
Zinc – Zn	5610106800	–
Zirconium – Zr	5610106900	–

Agilent Coded Single-Element Lamps

- ➔ Manufactured from the purest cathode materials
- ➔ Coded for automatic lamp recognition, preventing errors



5610101400



5610108100

Agilent Coded Multi-Element Lamps

- ➔ Primary lines checked to avoid and minimize spectral interferences



5610109600



5610108900

AGILENT CODED MULTI-ELEMENT LAMPS		
ELEMENT	CODED LAMP	UltraAA CODED LAMP
Aluminum/Calcium/Magnesium	5610108800	5610133600
Calcium/Magnesium	5610107100	–
Cobalt/Chromium/Copper/Iron/Manganese/Nickel	5610107600	5610134500
Cobalt/Molybdenum/Lead/Zinc	–	5610135200
Copper/Iron/Manganese/Zinc	5610109600	5610135000
Copper/Iron/Silicon/Zinc	5610109700	5610135100
Copper/Zinc	5610119200	5610134600
Silver/Cadmium/Lead/Zinc	5610108700	5610108900
Silver/Chromium/Copper/Iron/Nickel	5610109500	5610134900
Sodium/Potassium	5610107000	–

TECH TIP

The difference between coded lamps and UltraAA coded lamps

UltraAA lamp's emission intensity is increased by 3 – 5 times, for lower noise. Sensitivity is increased by up to 40%, due to the sharper emission profile, allowing determinations at even lower levels.

Agilent Background Correction Lamps

AGILENT BACKGROUND CORRECTION LAMPS	
ELEMENT	PART NO
Deuterium background correction lamp for AA systems	G8431-80000

Deuterium background correction is only useable over the range from 185 – 430 nm. At higher wavelengths, there is no usable output from the lamp.

