

# Single-Element Standards

We understand how important standards are to your laboratory. That's why we offer a complete selection of PerkinElmer Pure (AA and ICP-OES) and Pure Plus (ICP-MS) grade Standards supplied with a comprehensive Certificate of Analysis. Each solution is certified to provide you with the quality and reliability you expect, every time.

We offer 1 µg/mL, 10 µg/mL, 1,000 µg/mL and 10,000 µg/mL single-element standards in a variety of volumes and purity levels.



## Single-Element Standards – 1,000 µg/mL

| Element    | Symbol | Matrix  | Pure Grade<br>125 mL<br>Part No. | Pure Grade<br>500 mL<br>Part No. | Pure Plus<br>Grade<br>125 mL<br>Part No. |
|------------|--------|---|----------------------------------|----------------------------------|--|
| Aluminum   | Al     | 2% HNO <sub>3</sub>                                   | <b>N9300184</b>                  | <b>N9300100</b>                  | <b>N9303726</b>                          |
| Antimony   | Sb     | 2% HNO <sub>3</sub>                                   |                                  | <b>N9300101</b>                  |  |
| Antimony   | Sb     | H <sub>2</sub> O/0.6% Tart. Acid/Tr. HNO <sub>3</sub> | <b>N9300207</b>                  |                                  | <b>N9303750</b>                          |
| Arsenic    | As     | 2% HNO <sub>3</sub>                                   | <b>N9300180</b>                  | <b>N9300102</b>                  | <b>N9303727</b>                          |
| Barium     | Ba     | 2% HNO <sub>3</sub>                                   | <b>N9300181</b>                  | <b>N9300103</b>                  | <b>N9303729</b>                          |
| Beryllium  | Be     | 2% HNO <sub>3</sub>                                   | <b>N9300172</b>                  | <b>N9300104</b>                  | <b>N9303730</b>                          |
| Bismuth    | Bi     | 10% HNO <sub>3</sub>                                  | <b>N9303761</b>                  | <b>N9300105</b>                  | <b>N9303731</b>                          |
| Boron      | B      | H <sub>2</sub> O                                      | <b>N9303760</b>                  | <b>N9300106</b>                  |  |
| Cadmium    | Cd     | 2% HNO <sub>3</sub>                                   | <b>N9300176</b>                  | <b>N9300107</b>                  | <b>N9303734</b>                          |
| Calcium    | Ca     | 2% HNO <sub>3</sub>                                   | <b>N9303763</b>                  | <b>N9300108</b>                  | <b>N9303733</b>                          |
| Carbon     | C      | H <sub>2</sub> O                                      | <b>N9303762</b>                  | <b>N9300109</b>                  |  |
| Cerium     | Ce     | 2% HNO <sub>3</sub>                                   | <b>N9303765</b>                  | <b>N9300110</b>                  |  |
| Cesium     | Cs     | 2% HNO <sub>3</sub>                                   | <b>N9303767</b>                  | <b>N9300111</b>                  |  |
| Chromium   | Cr     | 2% HNO <sub>3</sub>                                   | <b>N9300173</b>                  | <b>N9300112</b>                  | <b>N9303736</b>                          |
| Cobalt     | Co     | 2% HNO <sub>3</sub>                                   | <b>N9303766</b>                  | <b>N9300113</b>                  | <b>N9303735</b>                          |
| Copper     | Cu     | 2% HNO <sub>3</sub>                                   | <b>N9300183</b>                  | <b>N9300114</b>                  | <b>N9303737</b>                          |
| Dysprosium | Dy     | 2% HNO <sub>3</sub>                                   | <b>N9303768</b>                  | <b>N9300115</b>                  |  |
| Erbium     | Er     | 2% HNO <sub>3</sub>                                   | <b>N9303769</b>                  | <b>N9300116</b>                  |  |
| Europium   | Eu     | 2% HNO <sub>3</sub>                                   | <b>N9303770</b>                  | <b>N9300117</b>                  |  |
| Gadolinium | Gd     | 2% HNO <sub>3</sub>                                   | <b>N9303773</b>                  | <b>N9300118</b>                  |  |
| Gallium    | Ga     | 2% HNO <sub>3</sub>                                   | <b>N9303772</b>                  | <b>N9300119</b>                  |  |
| Germanium  | Ge     | H <sub>2</sub> O/0.16% F-                             | <b>N9303774</b>                  | <b>N9300120</b>                  |  |
| Gold       | Au     | 10% HCl   | <b>N9303759</b>                  | <b>N9300121</b>                  |  |
| Hafnium    | Hf     | 2% HCl  | <b>N9303775</b>                  | <b>N9300122</b>                  |  |
| Holmium    | Ho     | 2% HNO <sub>3</sub>                                   | <b>N9303776</b>                  | <b>N9300123</b>                  |  |
| Indium     | In     | 2% HNO <sub>3</sub>                                   | <b>N9303777</b>                  | <b>N9300124</b>                  |  |
| Iridium    | Ir     | 10% HCl   | <b>N9303778</b>                  | <b>N9300125</b>                  |  |
| Iron       | Fe     | 2% HNO <sub>3</sub>                                   | <b>N9303771</b>                  | <b>N9300126</b>                  | <b>N9303738</b>                          |
| Lanthanum  | La     | 2% HNO <sub>3</sub>                                   | <b>N9303780</b>                  | <b>N9300127</b>                  |  |
| Lead       | Pb     | 2% HNO <sub>3</sub>                                   | <b>N9300175</b>                  | <b>N9300128</b>                  | <b>N9303748</b>                          |
| Lithium    | Li     | 2% HNO <sub>3</sub>                                   | <b>N9303781</b>                  | <b>N9300129</b>                  |  |
| Lutetium   | Lu     | 2% HNO <sub>3</sub>                                   | <b>N9303782</b>                  | <b>N9300130</b>                  |  |
| Magnesium  | Mg     | 2% HNO <sub>3</sub>                                   | <b>N9300179</b>                  | <b>N9300131</b>                  | <b>N9303743</b>                          |
| Manganese  | Mn     | 2% HNO <sub>3</sub>                                   | <b>N9303783</b>                  | <b>N9300132</b>                  | <b>N9303744</b>                          |
| Mercury    | Hg     | 10% HNO <sub>3</sub>                                  | <b>N9300174</b>                  | <b>N9300133</b>                  | <b>N9303740</b>                          |
| Molybdenum | Mo     | H <sub>2</sub> O                                      | <b>N9303784</b>                  | <b>N9300134</b>                  | <b>N9303745</b>                          |

| Element      | Symbol | Matrix                     | Pure Grade<br>125 mL<br>Part No. | Pure Grade<br>500 mL<br>Part No. | Pure Plus<br>Grade<br>125 mL<br>Part No. |
|--------------|--------|----------------------------|----------------------------------|----------------------------------|--|
| Neodymium    | Nd     | 2% HNO <sub>3</sub>        | <b>N9303787</b>                  | <b>N9300135</b>                  |  |
| Nickel       | Ni     | 2% HNO <sub>3</sub>        | <b>N9300177</b>                  | <b>N9300136</b>                  | <b>N9303747</b>                          |
| Niobium      | Nb     | H <sub>2</sub> O/0.4% HF   | <b>N9303786</b>                  | <b>N9300137</b>                  |  |
| Palladium    | Pd     | 10% HCl                    | <b>N9303789</b>                  | <b>N9300138</b>                  |  |
| Phosphorus   | P      | H <sub>2</sub> O           | <b>N9303788</b>                  | <b>N9300139</b>                  |  |
| Platinum     | Pt     | 10% HCl                    | <b>N9303791</b>                  | <b>N9300140</b>                  |  |
| Potassium    | K      | 2% HNO <sub>3</sub>        | <b>N9303779</b>                  | <b>N9300141</b>                  | <b>N9303742</b>                          |
| Praseodymium | Pr     | 2% HNO <sub>3</sub>        | <b>N9303790</b>                  | <b>N9300142</b>                  |  |
| Rhenium      | Re     | H <sub>2</sub> O           | <b>N9303793</b>                  | <b>N9300143</b>                  |  |
| Rhodium      | Rh     | 10% HCl                    | <b>N9303794</b>                  | <b>N9300144</b>                  |  |
| Rubidium     | Rb     | 2% HNO <sub>3</sub>        | <b>N9303792</b>                  | <b>N9300145</b>                  |  |
| Ruthenium    | Ru     | 10% HCl                    | <b>N9303795</b>                  | <b>N9300146</b>                  |  |
| Samarium     | Sm     | 2% HNO <sub>3</sub>        | <b>N9303800</b>                  | <b>N9300147</b>                  |  |
| Scandium     | Sc     | 2% HNO <sub>3</sub>        | <b>N9303798</b>                  | <b>N9300148</b>                  |  |
| Selenium     | Se     | 2% HNO <sub>3</sub>        | <b>N9300182</b>                  | <b>N9300149</b>                  | <b>N9303752</b>                          |
| Silicon      | Si     | H <sub>2</sub> O/0.4% F-   | <b>N9303799</b>                  | <b>N9300150</b>                  |  |
| Silver       | Ag     | 2% HNO <sub>3</sub>        | <b>N9300171</b>                  | <b>N9300151</b>                  | <b>N9303725</b>                          |
| Sodium       | Na     | 2% HNO <sub>3</sub>        | <b>N9303785</b>                  | <b>N9300152</b>                  | <b>N9303746</b>                          |
| Strontium    | Sr     | 2% HNO <sub>3</sub>        | <b>N9303802</b>                  | <b>N9300153</b>                  |  |
| Sulfur       | S      | H <sub>2</sub> O           | <b>N9303796</b>                  | <b>N9300154</b>                  |  |
| Tantalum     | Ta     | H <sub>2</sub> O/0.8% HF   | <b>N9303803</b>                  | <b>N9300155</b>                  |  |
| Tellurium    | Te     | 10% HNO <sub>3</sub>       | <b>N9304385</b>                  | <b>N9304384</b>                  |  |
| Terbium      | Tb     | 2% HNO <sub>3</sub>        | <b>N9303804</b>                  | <b>N9300157</b>                  |  |
| Tin          | Sn     | 20% HCl                    | <b>N9303801</b>                  | <b>N9300161</b>                  |  |
| Tin          | Sn     | 1% HNO <sub>3</sub> /1% HF |                                  |                                  | <b>N9303838</b>                          |
| Thallium     | Tl     | 2% HNO <sub>3</sub>        | <b>N9300170</b>                  | <b>N9300158</b>                  | <b>N9303755</b>                          |
| Thorium      | Th     | 2% HNO <sub>3</sub>        |                                  |                                  | <b>N9303842</b>                          |
| Thulium      | Tm     | 2% HNO <sub>3</sub>        | <b>N9303807</b>                  | <b>N9300160</b>                  |  |
| Titanium     | Ti     | H <sub>2</sub> O/0.24% F-  | <b>N9303806</b>                  | <b>N9300162</b>                  | <b>N9303754</b>                          |
| Tungsten     | W      | H <sub>2</sub> O           | <b>N9303809</b>                  | <b>N9300163</b>                  |  |
| Uranium      | U      | 2% HNO <sub>3</sub>        |                                  |                                  | <b>N9303844</b>                          |
| Vanadium     | V      | 2% HNO <sub>3</sub>        | <b>N9303808</b>                  | <b>N9300165</b>                  | <b>N9303756</b>                          |
| Ytterbium    | Yb     | 2% HNO <sub>3</sub>        | <b>N9303811</b>                  | <b>N9300166</b>                  |  |
| Yttrium      | Y      | 2% HNO <sub>3</sub>        | <b>N9303810</b>                  | <b>N9300167</b>                  |  |
| Zinc         | Zn     | 2% HNO <sub>3</sub>        | <b>N9300178</b>                  | <b>N9300168</b>                  | <b>N9303758</b>                          |
| Zirconium    | Zr     | 2% HNO <sub>3</sub>        | <b>N9303812</b>                  | <b>N9300169</b>                  |  |