

Specifications of different grades of stainless steel used in HPLC columns

Cogent™ HPLC stainless steel column hardware is T1 grade, AISI 316 LC type. HPLC system tubing is AISI 316 (highlighted in green in the chart below, T2 grade. *We also offer fully coated stainless steel column hardware and PEEK column hardware to eliminate sample interaction with the surface sites of stainless steel.*

Elemental assays of the various stainless steel grades are given in the following table:



Ti Grade 2

| | |
|----------|-----------|
| Carbon | 0.1 max |
| Hydrogen | 0.015 max |
| Iron | 0.3 max |
| Nitrogen | 0.03 max |
| Oxygen | 0.25 max |
| Titanium | Balance |



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