

| FOR INFORMATIONAL PURPOSES ONLY | | | | | | | |
|---|-----------|---------------------------------|----------------------------------|---|---|--|---|
| Not Suitable for GMP Applications. | | | | | | | |
| cGMP Applications Require Documented & Validated Methods Specifically for Clients Compound. | | | | | | | |
| Elemental Analysis Price Schedule | | Analysis | Theoretical Range (%) | Sample Size (mg) | Additional Information | | |
| Turnaround Time for all in this section is Next Business Day. RUSH Requires Advance Notice and 100% Surcharge for a Same Day Turnaround. | | | | | | | |
| Carbon, Hydrogen, Nitrogen | \$42 | C, H, N All Ranges | | 2 | PE 2400 CHN Analyzer for C,H,N Total & Ratios | | |
| | | Sulfur | | <5 | | 5-10 | |
| | | <i>By Colormetric Titration</i> | | 5 - 15 | | 3 - 8 | |
| | | | | > 15 | | 1 - 2 | |
| | | Fluorine | | < 5 | | 10 - 20 | |
| | | | | 5 - 15 | | 3 - 5 | |
| | | | | > 15 | | 1 - 3 | |
| | | Iodine | | < 15 | | 5-10 | |
| | | | | 15-55 | | 2-4 | |
| | | | | <i>By Colormetric Titration</i> | | > 55 | 1 |
| Sulfur | \$40 | | | Ion Selective Technique | | | |
| Chlorine | \$40 | | | | | | |
| Bromine | \$40 | | | | | | |
| Iodine | \$42 | | | | | | |
| Fluorine | \$49 | | | | | | |
| Dried to Constant Weight | \$30 | | | | | | |
| Weight loss on Drying | \$34 | | | | | | |
| Combustion Aids | \$30 | | | | | | |
| Special Combustion Conditions | \$66 | | | | | | |
| Turnaround Time for all in this section is 3-5 Business Days. RUSH Requires Advance Notice and 100% Surcharge for a 1-2 Business Day Turnaround. | | | | | | | |
| Oxygen, Direct | \$42 | Oxygen All Ranges | | 2 | PE 2400 CHN Analyzer fitted with an oxygen accessory kit. Direct oxygen analysis can <u>not</u> be determined on inorganic samples or samples containing phosphorous. | | |
| Karl Fischer Water (Coulometric) | \$59 | | | | | | |
| Karl Fischer Water (Volumetric) | \$300 | | | | | | |
| pH Determination (requires 0.5 g) | \$34 | | | | | | |
| Melting Point (requires 2 mg) | \$34 | | | | | | |
| FTIR (requires 1-5 mg) | \$126 | | | | | | |
| UV Scan (requires 100 mg) | \$126 | | | | | | |
| Optical Rotation | \$300 | Optical Rotation | | 10 ⁰ - 20 ⁰ > 20 ^o | | 100 10-20 | |
| Ion Chromatography: | | Single | | If sample limited, check with the lab for specific sample requirements since each ion has different response factors Anion Scan requires 25-50mg Cation Scan requires 25-50mg | | | |
| Individual Analytes | \$46 | | | | | | |
| Anion Scan: (F-, Cl-, Br-, NO3-, NO2-, PO4-3, SO4-2) | \$204 | | | | | | |
| Cation Scan: (Li+, Na+, NH4+, K+) | \$174 | | | | | | |
| Inorganic Analysis: | | Sample Preparation | | | | Single Analysis | |
| ICP | \$53 | \$53 | | | | | |
| ICP Scan (40-60 Elements) **add \$80 if Hg is added** | No Charge | \$495 | | | | | |
| ICP-MS | \$79 | \$106 | | | | | |
| ICP-MS Scan (63 Elements) **add \$140 if Hg is added** | No Charge | \$715 | | | | | |
| Micro-Ash (not USP) | - | \$56 | | | | | |
| Turnaround Time for all in this section is 10-15 Business Days. RUSH is subject to Resource Availability for a 5-7 Business Day Turnaround. | | | | | | | |
| Gas Chromatography: | | Set-up | Per Sample | Additional methods may be necessary when there are solvent interferences. Solvents that are not part of our standard set require method development and will be conducted on a Time & Materials basis. Costs for the method development efforts typically range from \$1,500 to \$3,000, in addition to the set-up and per sample charges. * THF & Chloroform coelute and can not be quantitated simultaneously using this method | | | |
| 1-3 solvents using the same method | | \$1,100 | \$550 | | | | |
| 4 or more solvents using the same method | | \$1,100 | \$825 | | | | |
| GC-Mass Spectroscopy: | | Set-up | Per Sample | | | | |
| Using Client-Provided Method | | \$1,500 | \$825 | | | | |
| Routine HPLC/IC Analyses: | | Set-up | Per Sample | | | | |
| Methane Sulfonic Acid (MSA) (by IC), | | \$1,500 | | | | | |
| Trifluoro Acetic Acid (TFA) (by IC), | | | | | | | |
| Acetate (OAc) (by HPLC) | | | | | | | |
| | | | | | | Gas Chromatography - Mass Spectroscopy: If no method is provided, Intertek-Whitehouse, NJ will develop a method on a Time and Materials basis. Costs for the method development efforts typically range from \$1,500 to \$3,000 in addition to the set-up and per sample charges. - Analysis is based on electron impact (EI) fragmentation - Unknowns are compared to an internal system library | |

NOTE: Day of Sample Receipt is a Processing Day to get Samples into our Systems / Laboratories. Therefore, the Turnaround Times noted above start on the Day After Sample Receipt.