To submit samples please visit our website at www.Intertek.com/Pharmaceutical/QTI/ and use the "Submit a Sample" feature. Once you have submitted the online request for analysis, you should ship the samples and shipping manifest to 291 Route 22 East, Salem Industrial Park, Bldg. #5, Whitehouse, NJ 08888 to the attention of Sample Receiving.

Shipping Address:
291 Route 22 East
Salem Industrial Park, Bldg. # 5
Whitehouse, NJ 08888
908-534-4445

FOR INFORMATIONAL PURPOSES ONLY

Not Suitable for GMP Applications.
cGMP Applicaltions Require Documented & Validated Methods Specifically for Clients Compound.

Elemental Analysis Price Schedule

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	$32
Sulfur	$30
Chlorine	$30
Bromine	$30
Iodine	$32
Fluorine	$38
Dried to Constant Weight	$25
Weight loss on Drying	$28
Combustion Aids	$15
Special Combustion Conditions	$50

Analysis	Theoretical Range (%)	Sample Size (mg)	Additional Information
C, H, N	All Ranges	2	PE 2400 CHN Analyzer for C,H,N Total & Ratios
Sulfur *By Colormetric Titration*	<5 5 - 15 > 15	5-10 3 - 8 1 - 2	
Fluorine	< 5 5 - 15 > 15	10 - 20 3 - 5 1 - 3	Ion Selective Technique
Iodine *By Colormetric Titration*	< 15 15-55 > 55	5-10 2-4 1	
Chlorine *By Colormetric Titration*	<5 5-15 >15	10-15 5-10 1-3	
Bromine *By Colormetric Titration*	<15 15-55 >55	5-10 2-5 1	

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	$32
Karl Fischer Water (Coulometric)	$45
Karl Fischer Water (Volumetric)	$150
pH Determination (requires 0.5 g)	$25
Melting Point (requires 2 mg)	$25
FTIR (requires 1-5 mg)	$95
UV Scan (requires 100 mg)	$95
Optical Rotation	$250
TGA	$310
pKa	$155
Ion Chromatography:	**Single**
Individual Analytes	$35
Anion Scan: (F-, Cl-, Br-, NO3-, NO2-, PO4-3, SO4-2)	$170
Cation Scan: (Li+, Na+, NH4+, K+)	$145

Inorganic Analysis:	Sample Preparation	Single Analysis
Flame AA	$44	$44
Graphite Furnace AA	$44	$66
ICP	$44	$44
ICP Scan (40-60 Elements) **add $80 if Hg is added**	No Charge	$495
ICP-MS	$66	$88
ICP-MS Scan (63 Elements) **add $140 if Hg is added**	No Charge	$715
Micro-Ash (not USP)	–	$28

Analysis	Theoretical Range (%)	Sample Size (mg)	Additional Information
Oxygen	All Ranges	2	PE 2400 CHN Analyzer fitted with an oxygen accessory kit. Direct oxygen analysis can not be determined on inorganic samples or samples containing phosphorous.
Karl Fischer (Coulometric)	0.1 - 1.0 1.0 - 5.0 > 5.0	25 - 50 10 - 20 5	Volumetric Determination Available Under Special Circumstances but must be Quoted by the Lab
Optical Rotation	10° - 20° > 20o	100 10-20	Informational Purposes Only
TGA	N/A	5 - 10	Run according to client specific heating conditions Default: 10°/min. to 300°C
pKa	N/A	100 - 500	Weight needed is approximately 100mM
Ion Chromatography	.05 - 1 100 ppm	5 - 10 25 - 50	If sample limited, check with the lab for specific sample requirements since each ion has different response factors
Metals Determination:			
Flame AA	.05 - 1 1 - 5	25-50 10 - 20	Volatile Elements (e.g. Mercury & Arsenic) quantitated using Cold Vapor AA: $500 Set-up $100/sample
Graphite Furnace AA	1 - 10 ppm .05 - 1	25-50 10-20	Provides better sensitivity than AA or ICP but can run only one element at a time.
ICP	1 - 10 ppm 50 - 100 ppm	100 25-50	Can be used for all metals but response level varies. If sample limited confirm detection limits w/ lab.
ICP-MS	.1 - 1 ppm 5 - 10 ppm	100 25-50	In the event that a customer requests two or more elements, where one must be run on the ICP-MS and one could be run on the ICP-OES, all samples will be run on the ICP-MS. We will not split the samples on two instruments. For Osmium there is an additional $500 setup fee.
Micro-Ash	5-10	10-25	Informational Purposes Only

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
1-3 solvents using the same method	$1,000	$500
4 or more solvents using the same method	$1,000	$750
GC-Mass Spectroscopy:	**Set-up**	**Per Sample**
Using Client-Provided Method	$1,500	$750
Routine HPLC/IC Analyses:	**Set-up**	**Per Sample**
Methane Sulfonic Acid (MSA) (by IC), Triflouro Acetic Acid (TFA) (by IC), Acetate (OAc) (by HPLC)	$1,000	$250

Gas Chromatography	100ppm	100	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

Solvent List: 1,4-dioxane, Acetaldehyde, Acetone, Acetonitrile, Benzene, Chloroform*, Dichloromethane, Diethyl ether, Dimethyl sulfoxide (DMSO), Ethanol, Ethyl acetate, Heptane, Hexane, Isopropanol, Isopropyl acetate, Isopropyl ether, Methanol, Methyl acetate, Methyl Ethyl Ketone (MEK), Methyl t-butyl ether, n-propyl acetate, Tetrahydrofuran*, Toluene, Trichloroethylene

Gas Chromatography - Mass Spectroscopy:
If no method is provided, QTI 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