Soil Test Submission Form

Sample ID	*S0616-22L*	*(for lab to fill out)*
Name	Phone	* Email *(to receive results)*
Amy John	347-407-1211	johna200@newschool.edu
Test Requested (check box)	[x] pH ($5) [] Soil class (jar test) ($10) [ ] Soluble salts ($5) [ ] Organic content ($8) [] NPK kits ($10) [] Lead screening with XRF ($10)	*Test Packages* [] Basic soil quality test ($45) [x] Heavy metal & pH test ($45) []Micro-nutrients & pH ($20)
Total cost: $	45	**Payment type:paypal**

Mailing Address	**Garden Address** (if different from mailing address)	**Sample Description** (optional)
415 South Fifth Street 1R	**[] Home Garden** **[] Community Garden**	726 Mahoning #2A

Test Packages:

Basic soil quality test ($45): Soil samples are screened for (1) pH, (2) salt content, (3) soil class using jar test, (4) NPK levels using field kits, and (5) lead, chromium and zinc using XRF analyzer. Results will be available within one week.

Heavy Metal & pH test ($45): Soil samples are analyzed for (1) Chromium, Cobalt, Nickel, Copper, Zinc, Arsenic, Cadmium, Mercury and lead (2) pH. Results will be available after 2-4 weeks.

Environmental Sciences Analytical Center
Brooklyn College • 2900 Bedford Avenue • Brooklyn • NY • 11210
www.usi.nyc/soil-testing.html

Soil Testing Report

Sample ID	*S0616-22L*

Please do not write in spaces below; to be filled in by the lab

Date received: 12:00:00 AM	*Date of Report:*

Soil Test Report

BASIC SOIL QUALITY

XRF Screening (ppm)		Soluble salts (ppm)		***N-P-K range***	
Lead (Pb)	1400	Soil pH	5.5	Nitrogen	
Zinc (Zn)	424	Soil class (jar test)		Phosphorus	
Copper (Cu)	ND	Note:		Potassium	
Arsenic (As)	ND			Note:	

Heavy Metals (ppm) *expressed by kg of dry soil		**Micro Nutrients & K (ppm)** expressed by kg of dry soil	
(Cr) Chromium	22.0	B (Boron)	
(Ni) Nickel	15.0	Mg (Magnesium)	
(Cu) Copper	80.0	Al (Aluminum)	
(Zn) Zinc	824.0	K (potassium)	
(As) Arsenic	17.0	Ca (Calcium)	
(Cd) Cadmium	0.6	Mn (Manganese)	
(Hg) Mercury	0.1	Fe (Iron)	
(Pb) Lead	1375.0	Cu -63 (Copper)	
		Zn-66 (Zinc)	
		Particle Analysis (hydrometer method)	
		Gravel (%)	
Organic Content (%)		Sand (%)	
Comments:		Silt (%)	
		Clay (%)	
		Texture Class:	
		NOTES:	

Please check for general interpretations of data at our website www.usi.nyc/soil-testing.html
Send a message to soil@brooklyn.cuny.edu if you further questions.

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Resources for Interpreting Your Results

Click on the links to access information that will help you understand your results.

- Heavy Metals Interpretation Guidelines (If this link doesn't work for you, you can also find it on our website http://www.usi.nyc/soil-testing.html under "Resources" at the bottom of the page)

- Quick Facts on Soil Parameters

- EPA Eco-tools Urban Gardening: https://clu-in.org/ecotools/urbangardens.cfm

On Nutrients

Understanding NPK levels in ppm: lb/acre divided by 2 gives you concentrations in ppm

Nitrogen Levels	
Low	40 lb A/6" soil
Medium	160 lb A/6" soil
High	320 lb A/6" soil
Phosphorous Levels	
Low	8 lb A/6" soil
Medium	20 lb A/6" soil
High	64 lb A/6" soil
Potassium Levels	
Low	40 lb A/6" soil
Medium	80 lb A/6" soil
High	160 lb A/6" soil

- Soil Test Interpretation Guide-Oregon State
http://extension.oregonstate.edu/sorec/sites/default/files/soil_test_interpretation_ec1478.pdf

- Understanding soil nutrients and pH-Veggie gardener
http://www.veggiegardener.com/understanding-soil-nutrients-soil-ph/

- Fertilizing Garden Soils
http://www.gardening.cornell.edu/factsheets/soil/fertilizing.pdf

- Managing soil pH and Crop nutrients- Illinois
http://extension.cropsciences.illinois.edu/handbook/pdfs/chapter08.pdf