

Soil Test Submission Form

Sample ID	S0616-22A <i>(for lab to fill out)</i>		
Name		Phone	* Email <i>(to receive results)</i>
Amy John		347-407-1211	johna200@newschool.edu
Test Requested (check box)	<input checked="" type="checkbox"/> pH (\$5) <input type="checkbox"/> Soil class (jar test) (\$10) <input type="checkbox"/> Soluble salts (\$5) <input type="checkbox"/> Organic content (\$8) <input type="checkbox"/> NPK kits (\$10) <input type="checkbox"/> Lead screening with XRF (\$10)		<i>Test Packages</i> <input type="checkbox"/> Basic soil quality test (\$45) <input checked="" type="checkbox"/> Heavy metal & pH test (\$45) <input type="checkbox"/> Micro-nutrients & pH (\$20)
Total cost:	\$ 45	Payment type: paypal	
Mailing Address		Garden Address <small>(if different from mailing address)</small>	Sample Description (optional)
415 South Fifth Street 1R		<input type="checkbox"/> Home Garden <input checked="" type="checkbox"/> Community Garden	Roosevelt Community Garden #5

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	S0616-22A					
<i>Please do not write in spaces below; to be filled in by the lab</i>						
Date received: 12:00:00 AM				Date of Report:		
Soil Test Report	BASIC SOIL QUALITY					
	XRF Screening (ppm)		Soluble salts (ppm)			
	Lead (Pb)	16	Soil pH	7.7	Nitrogen	
	Zinc (Zn)	82	Soil class (jar test)		Phosphorus	
	Copper (Cu)	ND	Note:		Potassium	
	Arsenic (As)	15			Note:	
	Heavy Metals (ppm) <small>*expressed by kg of dry soil</small>			Micro Nutrients & K (ppm) <small>expressed by kg of dry soil</small>		
	(Cr) Chromium	13.0	B (Boron)			
	(Ni) Nickel	19.0	Mg (Magnesium)			
	(Cu) Copper	13.0	Al (Aluminum)			
	(Zn) Zinc	1810.0	K (potassium)			
	(As) Arsenic	8.6	Ca (Calcium)			
	(Cd) Cadmium	0.2	Mn (Manganese)			
	(Hg) Mercury	0.0	Fe (Iron)			
	(Pb) Lead	26.0	Cu -63 (Copper)			
			Zn-66 (Zinc)			
			Particle Analysis (hydrometer method)			
			Gravel (%)			
			Sand (%)			
	Organic Content (%)			Silt (%)		
	Comments:			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 have 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

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