

a very small quantity of sand and not much organic matter. It is quarried like a rock, and requires to be ground before it is applied to the soil.

The following analysis will show its constitution and exhibit its remarkable uniformity. They are all cargo samples, Nos. I and II having been imported into this market in the fall 1858, No. III being the sample of a cargo taken by the purchasers as it ran through the mill at Petersburg, Va., in the spring of this year. No. I, I sampled myself, in the storehouse after it had been ground. I have, moreover, another analysis of special samples, which have been either sent on from the island, or selected from the vessels here, but as these are the only *full* analysis of cargoes I have made, they will probably convey a better idea of the average production of the island. A great number of determinations of phosphoric acid and lime in cargo samples give parallel results:

	I.	II.	III.
Water and organic matter,	7.07	7.07	12.27
Lime,	44.66	41.52	40.27
Magnesia,	1.56	0.35	1.07
Alumina,	4.97	4.13	} 4.67
Sesquioxid of iron,	2.03	4.97	
Alkalies,	0.81	0.81	
Phosphoric acid,	34.65	36.80	35.62
Chlorine,	0.35	0.35	
Carbonic acid,	2.80	2.92	
Sand,	0.69	0.69	0.51
Not estimated,			5.59
	<hr/>	<hr/>	<hr/>
	99.59	99.59	100.00
Phosphoric acid equivalent to bone phosphate of lime,	<hr/>	<hr/>	<hr/>
	75.04	79.73	77.75

As additional evidence of the character of this guano, I subjoin a copy of an analysis by Prof. Campbell Morfit, of New York.

Water, - - - - -	- - - - -	3.52
Sand, - - - - -	- - - - -	.68
Organic matters with lime, - - - - -	- - - - -	12.33
Chlorid potassium, - - - - -	- - - - -	.09
Sulphate lime, - - - - -	- - - - -	.86
Bone ash, { Bone phosphate lime, }	} 67.06	64.67
{ " " magnesia, }		2.39
Phosphate alumina, - - - - -	- - - - -	3.62
" iron, - - - - -	- - - - -	1.95
Carbonate lime, - - - - -	- - - - -	5.34