

The following table (II) gives the results of analysis of six samples of genuine black, and five of genuine white pepper corns, obtained from Ottawa city grocers.

WHOLE BLACK PEPPER.

Description of Sample.	Moisture, &c., lost at 100° C.	Ash.					Alcoholic Extract.
		Soluble in Hot Water.	Insoluble in Water.	Total.	Insoluble in HCl.	Sand expressed as a percent- age on the total Ash.	
Berries from C. Stratton, Ottawa, 2nd Dec., 1889.....	10.45	9.37
Same berries, after separating 19.4 per cent of dirt, stalks, &c.....	11.45	2.07	2.75	4.82	0.71	15
Berries from Kavanagh Bros., Ottawa, 28th Dec., '89.	10.62	2.63	1.71	4.34	0.11	3	8.28
do do do 17th Oct., '90.	12.20	2.54	1.70	4.24	0.12	3	9.00
do Bate & Co., Ottawa, 17th Oct., 1890.....	11.60	2.52	1.46	3.98	0.06	2	8.54
do C. Stratton, Ottawa, 17th Oct., 1890.....	14.10	2.10	3.06	5.16	1.08	21	9.06
do E. Brown, Ottawa, 17th Oct., 1890.....	12.20	2.64	1.62	4.26	0.10	2	8.68
Average.....	12.03	2.41	2.05	4.47	0.36	8	8.71

WHOLE WHITE PEPPER.

Berries from Kavanagh Bros., Ottawa, 28th Dec., '89.	11.30	0.72	2.93	3.65	0.37	7.
do do do 17th Oct., '90.	11.80	0.68	2.36	3.04	0.26	9	7.
do Bate & Co., Ottawa, 17th Oct., 1890.....	13.00	0.14	1.50	1.64	0.70	42	8.92
do C. Stratton, Ottawa, 17th Oct., 1890.....	12.90	0.70	3.04	3.74	0.88	24	7.26
do E. Brown, Ottawa, 17th Oct., 1890.....	12.70	0.46	2.48	2.94	0.56	19	7.22
Average.....	12.34	0.54	2.46	3.00	0.55	21	7.73

The following results on cocoa-nut shells may be stated here:—

Total ash, 0.66 per cent.

Soluble, 0.48 “

Insoluble, 0.18 “

Sand, 0.14 “

Moisture (*i. e.*, loss of 100° C.), 7.50 per cent.

Of the eight samples of black pepper which are classed as doubtful, on the result of analysis, the following would be condemned on the ground of too high ash, were the standard of 7 per cent as a maximum adopted:—

No. 8,974 yielding 11.36 per cent ash.

8,987 “ 8.15 “

9,157 “ 10.74 “

9,171 “ 22.42 “

9,173 “ 15.20 “

9,501 “ 7.47 “

9,514 “ 13.02 “

While among these samples which are classed as *genuine*, since they contain no foreign tissue the following would be condemned:—

No. 9,167 yielding 17.12 per cent ash.

9,154 “ 13.38 “

9,170 “ 8.34 “

9,176 “ 8.94 “

9,186 “ 14.38 “

9,189 “ 13.70 “