

TABLE VIII.—(Continued).

9.	10.	11.	12.	13.	14.	15.	16.
Gramme taken estimated as anhydrous morphine.	Gramme recovered gravimetrically estimated as anhydrous morphine.	% recovered gravimetrically.	Gramme recovered volumetrically.	% recovered volumetrically.	Gramme resinous substance.	% resinous substance.	Total % recovered 14 and 15 or 12.
12..0.1430	0.0420	29.3	....	...	....	....	29.3
13..0.1003	0.0894	89.0	....	...	....	....	89.0
14..0.1158	0.1021	88.2	....	...	....	....	88.2
23..0.0968	0.0890	92.0	0.0886	91.5	....	....	91.5
24..0.0799	0.0757	94.9	0.0764	95.5	....	....	95.5
26..0.0980	0.0927	94.6	0.0898	91.7	....	....	91.7
27..0.1070	0.1105	103.2	0.0870	81.3	....	....	81.3
28..0.0938	0.0774	82.5	0.0846	90.2	....	....	90.2
29..0.1013	0.0690	68.2	0.0743	73.3	....	....	73.3
30..0.0944	0.0809	85.7	0.0798	84.6	....	....	84.6
32..0.0658	....	...	0.0586	89.0	0.0049	7.0	96.0
33..0.0995	....	...	0.0801	88.8	0.0091	8.95	97.9
34..0.0962	....	...	0.0659	68.6	0.0060	5.94	74.5
35..0.1621	0.1591	98.4	0.1478	91.0	0.0123	7.13	98.2
36..0.1672	0.1628	97.6	0.1518	90.8	0.0112	6.31	97.1
37..0.1748	0.1730	99.0	0.1570	89.96	0.0177	8.74	98.7
38..0.1721	0.1702	98.8	0.1561	90.7	0.0148	7.8	98.5
39..0.1715	0.1689	98.4	0.1577	91.9	0.0117	6.4	98.3
40..0.1718	0.1690	98.3	0.1542	89.93	0.0150	8.21	98.14
41..0.1724	0.1687	97.7	0.1550	89.58	0.0144	7.87	97.45
42..0.1708	0.1661	97.4	0.1552	91.15	0.0109	6.02	97.17
43..0.0853	0.0842	98.61	0.0841	98.50	0.0003	0.3	98.80
44..0.1105	0.1097	99.12	0.1096	99.10	Trace	....	99.10
45..0.0944	0.0940	99.50	0.0938	99.46	0.0005	0.5	99.51
46..0.1037	0.1025	98.85	0.1023	98.83	Trace	....	98.83
47..0.0926	0.0902	97.46	0.0876	94.56	0.0028	3.06	97.5
48..0.0967	0.0955	98.6	0.0917	94.9	0.0030	3.1	98.0
49..0.0852	0.0843	98.84	0.0814	95.7	0.0029	3.4	99.1
50..0.1029	0.1021	99.1	0.0984	95.5	0.0033	3.2	98.7

SUMMARY.

It is shown that lead acetate when used as a clarifier for alkaloidal extracts has no harmful effect upon the extraction of the alkaloid by immiscible solvents.

The addition of sodium chloride to such extracts after clarification increases the quantity of alkaloid removed at a single extraction.

The assay of powdered nux vomica was greatly facilitated by the use of lead acetate as a clarifying agent upon a dilute acid extract of the drug, which was then immediately made alkaline and shaken out with the solvent.

The conditions for obtaining a residue of anhydrous morphine have been determined.

DIVISION OF QUANTITATIVE ANALYSIS,
UNIVERSITY OF ILLINOIS,
URBANA, ILL.

PARTIAL ANALYSES OF 330 AMERICAN CRUDE DRUGS.

(Concluded from p. 1029, December 1919.)

BY JOSEPH F. CLEVINGER AND CLARE OLIN EWING.

Lab. No.	Name.		Part employed.	Color of powder.	Ash.		Ether extract.		Color.	Odor.	Remarks.
	Scientific.	Trade.			Total.	Acid insoluble.	Total.	Volatile.			
2352	<i>Hedeoma pulegioides</i> (L.) Pers.	Pennyroyal	Leaves	Medium grayish green	26.5	18.9	4.42	0.56	Very dark green	Characteristic, strong	Very dusty
2649	<i>Hedeoma pulegioides</i> (L.) Pers.	Pennyroyal	Herb (35% stems)	Medium grayish green	7.3	1.2	5.37	0.38	Medium brownish green	Characteristic, strong	Clean
1973	<i>Edisonhus annuus</i> L.	Sunflower	Seed	Medium light gray	3.4	0.1	21.40	0.00	Greenish yellow, almost colorless	Fatty, acid, slightly rancid	Clean. Extract gained when heated
2374	<i>Hepatica acutiloba</i> D. C.	Liverwort	Leaves	Grayish green	12.6	3.2	3.54	0.30	Dark brownish green	Slightly aromatic, somewhat fetid	Clean
2303	<i>Hepatica hepatica</i> (L.) Karst.	Liverwort	Leaves	Grayish green	10.7	0.9	3.77	0.20	Dark brownish green	Slightly aromatic, somewhat fetid	Clean
2523	<i>Hepatica hepatica</i> (L.) Karst.	Liverwort	Leaves	Grayish green	10.2	0.7	4.54	0.28	Dark brownish green	Slightly aromatic, somewhat fetid	Clean
2549	<i>Hicoria cordiformis</i> (Wang) Britton	Hickory	Tree bark	Medium brown	10.6	0.3	4.26	0.24	Light yellowish green	Sweetish, suggestive of horehound	Clean
2434	<i>Humulus lupulus</i> L.	Hops	Strobiles	Medium brown	11.1	1.9	21.00	2.06	Dark brown	Very strong, butyric and valerianic	Clean
2719	<i>Humulus lupulus</i> L.	Hops	Strobiles	Medium brown	10.5	1.5	10.28	1.28	Medium brown	Very strong, butyric and valerianic	Clean
2429	<i>Hydrangea arborescens</i> L.	Hydrangea	Roots	Light gray	3.2	0.4	1.76	0.14	Very light yellow	Slightly sweetish	Clean
2048	<i>Hydrangea arborescens</i> L.	Hydrangea	Roots	Light gray	5.6	2.1	1.52	0.14	Very light yellow	Slightly sweetish	Fairly clean
8297	<i>Hydrangea arborescens</i> L.	Hydrangea	Roots	Very light gray	3.8	0.6	2.40	0.12	Very light yellow	Slightly sweetish	Clean
2159	<i>Hydrastis canadensis</i> L.	Goldenseal	Roots	Yellowish green	6.4	1.9	2.40	0.16	Light greenish yellow low	Slight, characteristic	Clean
2089	<i>Hydrastis canadensis</i> L.	Goldenseal	Roots	Yellowish green	5.4	1.8	2.24	0.12	Light greenish yellow low	Slight, characteristic	Clean
2018	<i>Ilex verticillata</i> (L.) A. Gray	Black Alder	Tree bark	Light brownish gray	3.3	0.1	6.00	0.52	Light yellow-green	Sweetish, somewhat suggestive of maple syrup	Clean
2495	<i>Ilex opaca</i> Ait.	Holly	Tree bark	Medium light brown	4.6	0.6	2.88	0.20	Light yellow-green	Sweetish, somewhat suggestive of maple syrup	Clean
2663	<i>Ilex opaca</i> Ait.	Holly	Tree bark	Medium light brown	3.7	0.5	2.50	0.14	Very light yellow-green	Sweetish, somewhat suggestive of maple syrup	Clean
2058	<i>Impatiens pallida</i> Nutt.	Jewel Weed	Herb (40% stems)	Medium brown	12.0	3.4	2.42	0.14	Medium brownish green	Sour	Clean
2471	<i>Jussia helentium</i> L.	Elecampane	Root	Medium grayish brown	14.5	7.6	5.88	0.68	Light brown	Suggestive of spike-nard	Somewhat dirty

2585	<i>Ipomoea pandurata</i> Meyer	(L.)	Man Root (Wild potato)	Root	Light brown	8.7	1.2	2.52	0.10	Medium light brown	Clean
2286	<i>Iris versicolor</i> L.		Blue Flag	Root	Medium reddish brown	4.7	0.6	1.48	0.12	Very light greenish yellow	Faint, suggestive of celery seed and coconut oil
2723	<i>Iris versicolor</i> L.		Blue Flag	Root	Medium reddish brown	4.5	0.5	1.34	0.02	Very light yellow	Faint, suggestive of celery seed and coconut oil
2347	<i>Juglans cinera</i> L.		Butternut	Root bark	Very dark brown	5.9	0.8	5.50	0.30	Dark brown	Clean
2711	<i>Juglans cinera</i> L.		Butternut	Root bark	Very dark brown	6.8	0.4	6.66	0.28	Dark brown	Clean
2626	<i>Juglans cinera</i> L.		Butternut	Tree bark, rossed	Dark brown	5.8	0.3	10.90	0.46	Dark brown	Clean
2547	<i>Juglans cinera</i> L.		Butternut	Leaves	Dark brown	13.1	4.1	3.36	0.10	Very dark green	Acidic, suggestive of new leather
2540	<i>Juglans nigra</i> L.		Black Walnut	Root bark	Very dark brown	7.8	1.0	3.50	0.26	Dark green-brown	Clean
2667	<i>Juglans nigra</i> L.		Black Walnut	Tree bark, rossed	Light grayish brown	7.5	0.1	18.44	1.08	Medium brown	Clean
2583	<i>Juglans nigra</i> L.		Black Walnut	Leaves	Medium greenish brown	8.4	0.8	8.02	0.36	Dark green-brown	Slightly aromatic, sweetish
2707	<i>Juglans nigra</i> L.		Black Walnut	Hulls	Very dark brown	6.2	1.0	0.64	0.04	Greenish brown	Slightly aromatic, sour, smoky
2413	<i>Juglans nigra</i> L.		Black Walnut	Hulls	Very dark brown	6.5	0.1	1.12	0.30	Greenish brown	Dusty, sweetish
2682	<i>Juniperus virginiana</i> L.		Cedar	Berries	Rich brown	5.4	0.2	14.50	1.30	Greenish brown	Pleasant, aromatic, slightly suggestive of rue
2560	<i>Kalmia latifolia</i> L.		Laurel	Berries (25% peduncles)	Medium reddish brown	2.1	0.2	7.22	0.23	Light greenish cream	Clean
2061	<i>Kalmia latifolia</i> L.		Laurel	Leaves	Medium greenish brown	4.2	1.5	6.74	0.16	Mottled light and dark green	Sour, somewhat suggestive of beeswax and yerba santa
2708	<i>Lacinaria spicata</i> (L.) Kunze		Gayfeather (But-ton Snakeroot)	Rhizome and roots	Dark grayish brown	14.8	2.8	15.80	0.74	Very light brown	Aromatic, slightly suggestive of ele-campene
1994	<i>Lacinaria squarrosa</i> Willd.		Blazing Star	Rhizome and roots	Medium grayish brown	4.9	0.9	4.54	0.90	Light brownish yellow	Aromatic, slightly suggestive of ele-campene and spike-nard
2706	<i>Lactuca virosa</i> L.		Wild lettuce	Leaves	Medium brownish green	15.5	3.2	6.32	0.18	Very dark green, nearly black	Slightly sour
2699	<i>Lactuca virosa</i> L.		Wild lettuce	Root	Light grayish brown	8.2	1.4	1.52	0.12	Light yellow	Clean
2558	<i>Leonidula spica</i> D. C.		Lavender	Herb (30% stems)	Medium greenish brown	11.5	2.1	8.98	0.62	Medium green	Characteristic
2417	<i>Leonurus cardiaca</i> L.		Motherwort (Mountain Mint)	Leaves	Medium green	15.9	2.8	4.74	0.34	Dark brown-green	Sour

Somewhat dirty

Clean

Clean

Clean

Clean

Clean

Clean

Clean

Clean

Clean

Clean

Lab. No.	Name.		Part employed.	Color of powder.	Ash.		Ether extract.		Remarks.		
	Scientific.	Trade.			Total.	Acid-insoluble.	Total.	Volatile.		Color.	Odor.
2090	<i>Leonurus cardiaca</i> L.	Motherwort (Mountain Mint)	Herb (15% stems)	Medium brownish green	10.3	0.6	4.58	0.30	Very dark brown- ish green	Sour	Clean
2502	<i>Lepanostium virginianum</i> (L.) Raf.	Beech drops	Herb	Medium brown	6.1	1.7	1.76	0.10	Very light yellow- green	Slight, fatty	Clean
2054	<i>Lepistion canadense</i> (L.) Britton	Canada Fleabane	Herb	Light green	9.7	2.1	5.36	0.34	Very dark green	Sour	Clean
2692	<i>Ligustrum vulgare</i> L.	Privet	Leaves	Medium brownish green	6.0	4.7	2.28	0.12	Medium brownish green	Pleasant, aromatic, suggestive of beeswax	Somewhat dirty
1987	<i>Liquidambar styraciflua</i> L.	Sweet Gum	Tree bark, rossed	Medium reddish brown	9.3	0.2	8.80	0.12	Orange-brown		Clean
2409	<i>Liriodendron tulipifera</i> L.	White Poplar	Tree bark, rossed	Very light brown	2.5	0.4	9.90	0.56	Very light green- ish brown	Rancid	Clean
2589	<i>Liriodendron tulipifera</i> L.	Yellow Poplar	Tree bark	Very light brown	2.7	0.2	8.02	0.56	Greenish brown	Fatty, bland	Clean
2047	<i>Lobaria pulmonaria</i> L.	Lung Moss	Lichen	Light brownish green	11.5	7.7	7.12	0.68	Cream and green- ish brown mot- tled	Suggestive of varnish	Dusty; ether extract became deep purple when heated
2039	<i>Lobelia cardinalis</i> L.	Red Cardinal	Herb	Medium greenish brown	13.0	1.9	6.40	0.12	Brown-green	Somewhat suggestive of new linoleum	Dusty
2032	<i>Lobelia inflata</i> L.	Lobelia	Leaves and pods (35% stems)	Light grayish green	9.1	3.1	9.33	0.23	Medium light green		Clean
1996	<i>Lobelia inflata</i> L.	Lobelia	Seed	Very dark brown	21.9	13.1	27.90	0.00	Medium dirty green	Suggestive of olive oil	Dusty; ether extract gained 0.54% when heated
2346	<i>Lobelia inflata</i> L.	Lobelia	Seed	Very dark brown	14.8	9.1	27.72	0.24	Medium dirty green	Suggestive of olive oil	Somewhat dusty
2275	<i>Lobelia inflata</i> L.	Lobelia	Herb (30% stems)	Light green	10.7	2.1	6.80	0.28	Dark green-brown	Unpleasant, nauseous	Clean
2722	<i>Lobelia inflata</i> L.	Lobelia	Herb (35% stems)	Light grayish green	11.2	3.4	6.35	0.19	Dark green-brown	Unpleasant, nauseous	Clean
2071	<i>Lonicera sempervirens</i> L.	Honeysuckle	Leaves	Medium brown	5.7	1.2	3.50	0.20	Mottled light and dark green	Slightly suggestive of leather	Clean
2604	<i>Lycophodium complanatum</i> L.	Ground Pine	Herb	Light green	13.9	0.1	2.68	0.10	Medium brown-green		Clean
2076	<i>Lycopus europaeus</i> L.	Bitter Bugle	Herb (60% stems)	Light grayish brown	10.4	0.9	7.44	0.70	Medium green	Very slightly suggestive of mint	Clean; large amount of stems normal

2414	<i>Lycopus virginicus</i> L.	Bugleweed	Herb (30% stems)	Light grayish brown	7.9	0.4	4.35	0.33	Medium brown	green-brown	Peppery	Clean
2512	<i>Lycopus virginicus</i> L.	Bugleweed	Herb (40% stems)	Medium greenish brown	8.7	1.8	4.20	0.30	Medium green	dark green	Peppery, suggestive of "T. M." shoe polish	Clean
2049	<i>Lycopus virginicus</i> L.	Sweet Bugleweed	Herb (50% stems)	Medium greenish brown	11.4	2.7	3.21	0.17	Medium brown	green-brown	Peppery	Clean
2031	<i>Magnolia virginiana</i> L.	Magnolia	Tree bark	Very light yellowish brown	1.7	0.2	6.88	0.28	Rich brown		Slightly aromatic, sweetish	Clean
2019	<i>Magnolia (foetida</i> L. ?)	Southern Magnolia	Tree bark	Medium brown	7.9	3.9	2.00	0.20	Light green-yellow		Terebinthinate, suggestive of powdered resin	Fairly clean
2067	<i>Malva sylvestris</i> L.	Mallow	Leaves	Medium grayish brown	9.3	1.7	2.70	0.06	Medium green	brown-green		Dusty
2439	<i>Marrubium vulgare</i> L.	Horehound	Herb (35% stems)	Grayish green	12.0	3.2	5.20	0.46	Very dark green		Aromatic, characteristic	Clean
2531	<i>Marrubium vulgare</i> L.	Horehound	Herb (30% stems)	Medium greenish gray	22.4	8.0	4.78	0.32	Very dark green		Aromatic, characteristic	Slightly dirty
2317	<i>Marrubium vulgare</i> L.	Horehound	Leaves	Medium grayish green	16.4	2.6	6.74	0.51	Very dark green		Aromatic, characteristic	Slightly dirty
2492	<i>Marrubium vulgare</i> L.	Horehound	Leaves	Medium grayish green	21.5	7.5	5.66	0.42	Very dark green		Sweetish, characteristic	Somewhat dirty
2335	<i>Melissa officinalis</i> L.	Balm	Herb (45% stems)	Dark grayish green	11.5	0.8	2.14	0.29	Medium green	dark green	Characteristic, somewhat suggestive of lemon	Clean
2015	<i>Melissa officinalis</i> L.	Balm	Leaves	Dark grayish green	14.0	1.2	3.60	0.22	Medium green	dark green	Characteristic, somewhat suggestive of lemon	Clean
2423	<i>Menispermum canadense</i> L.	Yellow Parilla	Root	Light grayish brown	4.3	0.7	1.04	0.14	Brownish yellow		Dusty, sweetish	Clean
2564	<i>Menispermum canadense</i> L.	Yellow Parilla	Root	Light brownish gray	3.9	0.6	0.84	0.08	Brownish yellow		Musty, fetid	Clean
1975	<i>Menispermum canadense</i> L.	Yellow Parilla	Root	Light brownish gray	4.4	1.2	0.96	0.10	Brownish yellow		Dusty, sweetish	Clean
1975-a	<i>Menispermum canadense</i> L.	Yellow Parilla	Root	Light brownish gray	3.4	0.7	0.90	0.20	Yellowish brown		Dusty, sweetish	Clean
2313	<i>Mentha piperita</i> L.	Peppermint	Leaves	Medium grayish green	12.2	1.3	6.16	0.60	Dark brownish green		Characteristic	Clean
2331	<i>Mentha piperita</i> L.	Peppermint	Leaves	Medium grayish green	13.8	1.0	5.16	0.38	Dark brown-green		Characteristic	Clean
2695	<i>Mentha piperita</i> L.	Peppermint	Leaves	Medium grayish green	11.7	1.0	4.08	0.44	Dark brown-green		Characteristic	Clean
2601	<i>Mentha piperita</i> L.	Peppermint	Herb (30% stems)	Medium grayish green	11.9	0.6	3.47	0.52	Dark brown-green		Characteristic	Clean; stems normal

Lab. No.	Name.		Part employed.	Color of powder.	Ash.		Ether-extract			Remarks.	
	Scientific.	Trade.			Total ble.	Volat. title.	Color.	Odor.			
2504	<i>Mentha spicata</i> L.	Spearmint	Herb (55% stems)	Medium grayish brown	8.8	0.9	4.26	0.43	Medium green	Characteristic	Clean
2570	<i>Mentha spicata</i> L.	Spearmint	Leaves	Dark grayish green	13.4	2.0	4.14	0.76	Dark green	Characteristic, a l s o slightly fishy	Clean
2457	<i>Mitchella repens</i> L.	Squaw Vine or Hive Vine	Herb (55% stems)	Medium greenish gray	7.1	0.6	3.22	0.20			Clean
2631	<i>Mitchella repens</i> L.	Squaw Vine or Hive Vine	Herb (65% stems)	Medium greenish gray	7.3	1.2	2.30	0.08	Medium brown-green	Suggestive of putty	Clean
2527	<i>Monarda didyma</i> L.	Oswego Tea	Herb	Medium greenish brown	8.5	0.9	8.10	0.40	Medium green	Slightly musty, tea-like	Clean
2440	<i>Monarda punctata</i> L.	Horsemint	Herb	Medium greenish brown	7.8	1.5	6.08	1.06	Medium green	Thymol-like, strong	Clean
2580	<i>Monotropa uniflora</i> L.	Eyebright (Indian Pipe)	Herb	Dark reddish brown	9.6	2.6	5.66	0.18	Creamy green	Suggestive of aniline	Slightly dusty
2079	<i>Morus nigra</i> L.	Mulberry	Root bark	Very light brown-yellow	10.3	2.8	6.58	0.72	Reddish brown		Clean
2716	<i>Myrica cerifera</i> L.	Southern berry	Bay-Root bark	Light yellowish brown	3.8	0.7	2.82	0.24	Medium yellow		Clean
2050	<i>Nabulus albus</i> (L.) Hook.	Lion's Foot	Leaves	Medium brownish green	12.5	1.9	5.38	0.20	Medium brown-green	Suggestive of coumarin	Rather dusty
2011	<i>Neophteria maritima</i> (L.) Britton	Wicky	Herb (10% stems)	Medium brown	3.7	0.5	11.78	0.54	Yellowish green		Clean
2370	<i>Nepeta cataria</i> L.	Catnip	Leaves	Medium brownish green	12.9	1.7	8.68	0.86	Dark brown-green	Characteristic	Clean
2632	<i>Nepeta cataria</i> L.	Catnip	Leaves	Medium brownish green	15.5	3.0	7.02	0.50	Dark brown-green	Characteristic	Clean
2304	<i>Nepeta cataria</i> L.	Catnip	Leaves	Medium olive-green	15.2	2.2	9.92	0.80	Dark brown-green	Characteristic	Clean
2684	<i>Nymphaea advena</i> Soland.	Water Lily	Root	Light brown	8.7	2.9	1.16	0.06	Very light yellow		Clean
2697	<i>Oenothera biennis</i> L.	Evening Primrose	Leaves	Medium grayish green	4.7	1.4	4.24	0.18	Dark green	Sour	Clean
2308	<i>Oxydendron arboreum</i> L.	Sourwood	Leaves	Dark greenish brown	6.9	0.7	3.95	0.46	Dark brownish green	Suggestive of clover hay	Clean
2345	<i>Oxydendron arboreum</i> L.	Sourwood	Leaves	Dark greenish brown	7.4	3.2	5.98	0.52	Dark brownish green	Suggestive of clover hay	Slightly dusty
2650	<i>Oxydendron arboreum</i> L.	Sourwood	Tree bark	Medium reddish brown	3.0	0.4	5.58	0.32	Light yellow-brown	Slightly sour	Clean
266 8	<i>Papaver somniferum</i> L.	Poppy	Leaves	Medium brownish green	22.0	1.4	2.80	0.12	Medium dark green	Raw, somewhat acid	Slightly dusty; ash high in carbonates

2493	<i>Papaver somniferum</i> L.	Poppy	Flowers	Dark brown	reddish brown	13.4	2.2	2.36	0.12	Light greenish brown	Slightly aromatic	Slightly dusty
2305	<i>Parthenium integrifolium</i> L.	Cutting Almond	Root	Medium gray	greenish gray	6.0	2.2	2.38	0.58	Brownish yellow	Faint; suggestive of elecampene	Clean
2566	<i>Parthenium integrifolium</i> L.	Cutting Almond	Tops (20% stems)	Medium green	brownish green	8.6	1.0	3.36	0.42	Dark green	Peppery	Clean
2036	<i>Parthenocissus quinquefolia</i> (L.) Planch.	American Ivy	Root bark	Light gray	reddish gray	8.7	0.7	0.68	0.14	Very light greenish yellow		Clean
2332	<i>Passiflora incarnata</i> L.	Passion Flower	Herb (40% stems)	Medium green	brownish green	10.3	2.2	4.03	0.17	Medium brownish green		Clean
2041	<i>Passiflora incarnata</i> L.	May Pop	Herb (45% stems)	Medium green	brownish green	11.0	2.2	3.28	0.13	Medium brownish green	Caramelized; suggestive of licorice extract	Clean
2658	<i>Passiflora incarnata</i> L.	May Pop	Root	Very light brown	brown	5.1	0.4	0.84	0.14	Brownish cream	Stroing, raw, suggestive of opium	Clean
2060	<i>Persea borbonia</i> (L.) Spreng	Sweet Bay	Leaves	Medium brown	greenish brown	5.6	1.3	6.18	0.58	Medium dark green	Aromatic, terebinthinate, also suggestive of cedar wood	Clean
2642	<i>Persicaria hydrophyper</i> (L.) Opls.	Water Pepper	Herb (35% stems)	Grayish brown	green	10.4	0.6	3.54	0.36	Medium brownish green	Faintly aromatic, peppery	Clean
2675	<i>Phoradendron flavescens</i> (Pursh.) Nutt.	Mistletoe	Herb (60% stems)	Medium brown	brown	6.0	0.5	6.76	0.14	Medium brown		Clean
2362	<i>Phytolacca decandra</i> L.	Poke	Root	Medium brown	light brown	18.1	2.4	0.70	0.06	Nearly colorless, greenish tinge		Clean; ash high in carbonates
2281	<i>Phytolacca decandra</i> L.	Poke	Root	Medium brown	light brown	15.1	1.0	1.26	0.08	Nearly colorless, greenish tinge		Clean; ash high in carbonates
2517	<i>Phytolacca decandra</i> L.	Poke	Root	Medium brown	light brown	9.5	0.6	2.24	0.14	Nearly colorless, greenish tinge		Clean; ash high in carbonates
2419	<i>Phytolacca decandra</i> L.	Poke	Berries	Medium brown	dark brown	3.4	0.3	9.18	0.50	Light olive-green		Clean; ash high in carbonates
2501	<i>Pilea pumila</i> (L.) A. Gray	Stingless Nettle	Herb (30% stems)	Brownish brown	green	22.7	1.8	1.66	0.20	Medium light green	Sour	Slightly dusty; ash high in carbonates
2530	<i>Pinus strobus</i> L.	White Pine	Bark	Very light brown	brown	1.8	0.1	5.92	0.28	Light brownish yellow	Characteristic odor of pine boards	Clean
2446	<i>Pinus strobus</i> L.	White Pine	Bark, rossed thin	Very light brown	brown	1.9	0.2	4.92	0.38	Light yellow	Characteristic odor of pine boards	Clean
2710	<i>Plantago major</i> L.	Plantain	Leaves	Medium brownish green	green	13.8	1.3	3.16	0.18	Very dark green, nearly black	Earthy, slightly sour	Clean; ash high in carbonates
2309	<i>Podophyllum peltatum</i> L.	Mandrake	Root	Light brown	greenish brown	3.0	0.3	5.14	0.52	Light greenish yellow	Raw, earthy	Clean
2057	<i>Podophyllum peltatum</i> L.	Mandrake	Root	Light brown	greenish brown	4.1	0.5	2.60	0.22	Light yellow	Raw, earthy	Clean
2408	<i>Podophyllum peltatum</i> L.	May Apple	Root	Light brown	greenish brown	5.3	1.9	7.06	0.50	Light yellow	Raw, earthy	Clean

Lab. No.	Scientific.	Name.	Trade.	Part employed.	Ash.			Ether extract.			Remarks.
					Total.	Acid insoluble.	Volatile.	Color.	Odor.	Remarks.	
2023	<i>Polygala nuttallii</i> T. & G.	Ground Centaury (Star Thistle)	Herb	Light brownish green	2.6	1.0	3.54	0.22	Medium green	Sour, slightly suggestive of coumarin	Clean
2306	<i>Polygala senega</i> L.	Senega Snakeroot	Root	Light greenish brown	5.9	3.2	10.76	0.70	Greenish yellow	Wintergreen	Fairly clean
2514	<i>Polygala senega</i> L.	Senega Snakeroot	Root	Light greenish brown	4.5	2.4	8.84	0.52	Greenish yellow	Sweet, fatty, faint wintergreen	Fairly clean
2611	<i>Polygala senega</i> L.	Southern Senega Snakeroot	Root	Light greenish brown	7.3	4.1	12.12	0.42	Medium light brown	Fatty, very faint wintergreen	Fairly clean
2452	<i>Polygonatum commutatum</i> (R. & S.) Dietr.	Solomon's Seal	Root	Light brown	3.9	0.5	1.14	0.28	Light brownish yellow	Pleasant, somewhat nutty	Clean
2677	<i>Polygonatum commutatum</i> (R. & S.) Dietr.	Solomon's Seal	Root	Light brown	3.8	1.0	0.82	0.20	Light brownish yellow	Pleasant, somewhat nutty	Clean
2298	<i>Polymnia uvedalia</i> L.	Bearsfoot	Root	Medium grayish brown	14.7	4.0	2.72	0.24	Light brown	Somewhat terebinthinate, also suggestive of hydrastis	Dirty
2646	<i>Polymnia uvedalia</i> L.	Bearsfoot	Root	Medium grayish brown	8.5	1.2	5.42	0.82	Light brown	Somewhat terebinthinate, also suggestive of hydrastis	Fairly clean
2576	<i>Polymnia uvedalia</i> L.	Bearsfoot	Leaves	Dark greenish brown	14.1	0.9	3.00	0.16	Medium dark green	Slight suggestion of copalbu balsam	Fairly clean; ash high in carbonates
2568	<i>Polytrichum juniperinum</i> Hedw.	Haircap Moss	Moss	Dark reddish brown	12.0	9.8	1.98	0.10			Dusty
2595	<i>Populus alba</i> L.	Aspen	Bark	Light greenish brown	7.2	0.3	8.92	0.54	Light yellowish green	Suggestive of esters in ensilage	Clean
1989	<i>Populus canadensis</i> Ait.	Balm of Gilead	Buds	No powder	2.7	0.5	56.18	15.30	Dark brown	Balsamic, resembling Peru balsam	Clean
2318	<i>Populus canadensis</i> Ait.	Balm of Gilead	Buds	No powder	2.1	....	60.06	12.38	Dark brown	Balsamic, resembling Peru balsam	Clean
2359	<i>Populus canadensis</i> Ait.	Balm of Gilead	Buds	No powder	2.9	0.9	62.28	10.92	Dark brown	Balsamic, resembling Peru balsam	Clean
2367	<i>Porteranthus trifoliatus</i> (L.) Britton	Indian Physic	Root	Medium grayish green	10.3	6.5	4.92	0.50	Bright yellow		Dirty
2546	<i>Porteranthus trifoliatus</i> (L.) Britton	Indian Physic	Root	Medium grayish green	10.2	2.9	4.60	0.34	Bright yellow		Clean
2045	<i>Potentilla canadensis</i> L.	Cinquefoil	Herb (55% stems)	Light grayish brown	7.1	1.2	2.74	0.15	Medium dark green	Sour	Clean
2552	<i>Prunella vulgaris</i> L.	Heal-all	Herb (25% stems)	Medium brown	7.1	1.5	3.67	0.16	Medium brownish green	Somewhat minty	Clean

Lab. No.	Scientific.	Name.	Trade.	Part employed.	Ash.			Ether extract.			Remarks.
					Total.	Acid insoluble.	Volatile.	Color.	Odor.		
2537	<i>Rhus glabra</i> L.	Sumac	Leaves	Brownish green	5.9	1.7	10.72	0.80	Medium dark green	Aromatic, tea-like	Clean
2378	<i>Rhus glabra</i> L.	Sumac	Leaves (25% petiole)	Brownish green	5.8	1.3	9.82	0.64	Medium dark green	Aromatic, tea-like	Clean
2615	<i>Rhus glabra</i> L.	Sumac	Berries	Dark reddish brown	2.6	0.2	12.10	0.48	Medium dark brown		Clean
2578	<i>Ricinus communis</i> L.	Palm Christi (Mold Bean)	Leaves	Medium olive-green	14.5	3.1	4.44	0.36	Very dark brown-green	Sour	Clean
2453	<i>Rosa gallica</i> L.	Roses	Petals	Medium reddish brown	8.1	2.9	3.80	0.22	Very light green-yellow	Characteristic	Clean
2005	<i>Rosa gallica</i> L.	Roses	Petals	Medium reddish brown	6.5	1.3	3.52	0.28	Very light green-yellow	Characteristic	Clean
2655	<i>Rosa gallica</i> L.	Roses	Petals pale	Light yellowish brown	4.6	0.8	3.88	0.44	Very light green-yellow	Strong	Clean
2394	<i>Rubus speciosus</i>	Blackberry	Root	Medium brown	3.9	1.4	2.24	0.20	Cream		Clean
2574	<i>Rubus speciosus</i>	Blackberry	Root	Light brown	4.1	1.1	1.60	0.10	Creamy white		Clean
2365	<i>Rubus speciosus</i>	Blackberry	Root	Light brown	4.3	0.7	1.46	0.10	Creamy white		Clean
2610	<i>Rubus strigosus</i> Michx.	Raspberry	Leaves	Grayish green	8.2	0.5	4.78	0.18	Dark brown-green	Aromatic, somewhat tea-like, sourish	Clean
2577	<i>Rudbeckia laciniata</i> L.	Thimble Weed	Herb	Brownish green	14.7	3.6	12.44	0.26	Dark brown-green	Peppery, somewhat suggestive of coumarin	Somewhat dirty
2554	<i>Rumex acetosella</i> L.	Sheep sorrel	Herb (largely stems)	Grayish brown	6.5	1.0	3.28	0.30	Medium green	Slightly aromatic	Clean; normally consists largely of stems
2380	<i>Rumex crispus</i> L.	Yellow Dock	Root	Light yellowish brown	5.1	0.4	1.90	0.32	Yellowish brown	Somewhat suggestive of rhubarb	Clean
2285	<i>Rumex crispus</i> L.	Yellow Dock	Root	Light yellowish brown	5.3	0.5	1.40	0.08	Yellowish brown		Clean
2700	<i>Rumex crispus</i> L.	Yellow Dock	Root	Light yellowish brown	8.9	1.9	2.14	0.24	Yellowish brown		Clean
1991	<i>Ruta graveolens</i> L.	Rue	Herb (20% stems)	Brownish green	12.9	4.6	4.76	0.32	Medium dark greenish brown	Slightly suggestive of cocoonut oil and of sabal	Slightly dirty
2428	<i>Sabbatia angularis</i> (L.) Pursh.	Amer. Centaury	Herb (60% stems)	Brownish green	4.7	0.4	2.62	0.25			Clean; large amt. of stems normal
2046	<i>Sabbatia elliptica</i> Steud.	Quinine Plant	Herb (nearly all stem)	Light brown	2.3	0.3	2.50	0.10	Medium light green		Clean; large amt. of stems normal

2496 <i>Salix alba</i> L.	White Willow	Tree bark, rossed	Reddish brown	4.8	0.2	0.80	0.12	Light cream	Clean
2542 <i>Salix nigra</i> Marsh.	Black Willow	Tree bark, rossed	Light grayish brown	5.3	0.1	2.98	0.26	Light green	Clean somewhat like sweet clover
2388 <i>Salix nigra</i> Marsh.	Pussy Willow	Tree bark	Medium brown	4.4	0.2	3.10	0.25	Light green	Clean somewhat like sweet clover
2305 <i>Salix nigra</i> Marsh.	Pussy Willow	Buds	Greenish gray	10.45	3.0	3.56	0.20	Brownish green	Pleasant, aromatic, suggestive of white clover flowers
2628 <i>Salix nigra</i> Marsh.	Pussy Willow	Buds	Greenish gray	6.1	0.5	2.60	0.18	Brownish green	Pleasant, aromatic, suggestive of white clover flowers
2353 <i>Salix nigra</i> Marsh.	Pussy Willow	Buds	Greenish gray	7.9	1.75	3.64	0.32	Brownish green	Pleasant, aromatic, suggestive of white clover flowers
2398 <i>Salvia officinalis</i> L.	Sage	Leaves	Brownish green	11.3	1.4	9.76	1.26	Dark green	Clean
2489 <i>Salvia officinalis</i> L.	Sage	Leaves	Brownish green	10.0	0.7	5.24	0.94	Dark green	Clean
2282 <i>Sambucus canadensis</i> L.	Elder	Flowers	Light brown	6.5	0.3	7.16	0.24	Light yellow	Faintly aromatic, sweetish, somewhat raw
2396 <i>Sambucus canadensis</i> L.	Elder	Flowers	Light brown	7.2	0.4	8.36	0.34	Light yellow	Faintly aromatic, sweetish, somewhat raw
2509 <i>Sambucus canadensis</i> L.	Elder	Flowers	Light brown	6.8	0.7	8.34	0.28	Light yellow	Faintly aromatic, sweetish
2066 <i>Sambucus canadensis</i> L.	Elder	Bark	Light brown	5.6	0.5	4.44	0.18	Light yellow-green	Faintly aromatic
1982 <i>Sanguinaria canadensis</i> L.	Bloodroot	Rhizome and root	Reddish brown	5.9	1.9	2.70	0.22	Orange-red	Raw, somewhat suggestive of capsicum
2438 <i>Sanguinaria canadensis</i> L.	Bloodroot	Rhizome	Brownish red	6.6	1.3	4.08	0.28	Orange-red	Raw, somewhat suggestive of capsicum
2669 <i>Sanguinaria canadensis</i> L.	Bloodroot	Rhizome and root	Reddish brown	5.8	1.4	2.98	0.26	Orange-red	Pungent
2264 <i>Sanguinaria canadensis</i> L.	Bloodroot	Rhizome	Brownish red	11.2	4.4	3.32	0.32	Orange-red	Pungent
2516 <i>Sanguinaria canadensis</i> L.	Bloodroot	Rhizome	Brownish red	4.6	0.3	2.90	0.16	Orange-red	Pungent
2686 <i>Saponaria officinalis</i> L.	Soapwort	Herb (65% stems)	Medium brown	8.3	0.7	1.19	0.10	Light green	Sour
2020 <i>Sarracenia purpurea</i> L.	Pitcher Plant (Hve's Cup)	Leaves	Light gray	3.5	1.3	4.52	0.14	Medium green	Sour
2679 <i>Sarracenia purpurea</i> L.	Pitcher Plant (Hve's Cup)	Rhizome and roots	Medium brown	3.6	2.0	5.06	0.24	Creamy yellow	Dirty
2086 <i>Sarracenia flava</i> L.	Trumpets (Pitcher Plant)	Leaves	Greenish gray	3.5	0.3	2.40	0.08	Medium green	Clean
2681 <i>Sarracenia flava</i> L.	Trumpets (Pitcher Plant)	Rhizome and roots	Medium brown	11.4	9.5	6.70	0.24	Creamy yellow	Dirty

Lab. No.	Scientific.	Name.	Trade.	Part employed.	Ash.			Ether extract.			Remarks.
					Color of powder.	Total.	Acid insoluble.	Color.	Volatile.	Odor.	
2272	<i>Sassafras varifolium</i> L.	Sassafras	Root bark	Light reddish brown	7.0	2.5	10.30	Medium reddish brown	3.32	Characteristic	Clean
1978	<i>Sassafras varifolium</i> L.	Sassafras	Root bark	Reddish brown	5.3	4.0	12.88	Medium reddish brown	2.94	Characteristic	Somewhat dirty
2354	<i>Sassafras varifolium</i> L.	Sassafras	Root bark	Reddish brown	2.5	0.5	8.96	Medium reddish brown	3.26	Characteristic	Clean
2515	<i>Sassafras varifolium</i> L.	Sassafras	Root bark	Reddish brown	3.7	1.3	6.58	Yellowish brown	2.40	Characteristic	Clean
2456	<i>Sassafras varifolium</i> L.	Sassafras	Tree bark	Light reddish brown	2.7	0.3	4.74	0.46		Characteristic	Clean
2004	<i>Sassafras varifolium</i> L.	Sassafras	Pith	Very light gray	1.2	0.5	0.52	Very light green	0.08		Clean
2442	<i>Sassafras varifolium</i> L.	Sassafras	Pith	Very light gray	1.1	0.3	0.88	Very light green	0.18		Clean
2541	<i>Sassafras varifolium</i> L.	Sassafras	Leaves	Greenish brown	8.6	5.1	5.00	Dark brown-green	0.34	Aromatic, somewhat suggestive of bay laurel and pepper; altogether unlike root bark	Somewhat dusty
2596	<i>Scrofularia marylandica</i> L.	Scrofularia (Carpenter's Square)	Herb (55% stems)	Olive-green	6.0	0.3	2.82	Dark brown-green	0.13		Somewhat dusty
2524	<i>Scrofularia marylandica</i> L.	Scrofularia (Carpenter's Square)	Root	Dark grayish	4.2	0.3	0.68	Slight yellow tinge	0.16		Somewhat dusty
2672	<i>Scutellaria lateriflora</i> L.	True Skullcap	Herb (50% stems)	Grayish green	8.6	1.4	3.28	Medium dark green	0.12	Sour	Somewhat dusty
2680	<i>Scutellaria pilosa</i> Michx.	Hairy Skullcap (Soft Skullcap)	Herb (40% stems)	Grayish green	11.3	1.5	2.69	Medium brownish green	0.15	Sour, slightly suggestive of Swiss cheese	Somewhat dusty
2666	<i>Scutellaria saxatilis</i> Riddell	Hard Skullcap	Herb (30% stems)	Grayish green	6.5	0.7	3.82	Medium dark green	0.10	Sour	Somewhat dusty
2587	<i>Sedum acer</i> L.	Stoncrop	Herb (large stems)	Grayish green	6.3	0.4	2.42	Dark green	0.24		Somewhat dusty; large amount of stems normal
2081	<i>Senecio aureus</i> L.	Liferoot Plant	Herb (50% stems)	Brownish green	11.8	3.6	4.77	Medium brown-green	0.39	Raw	Clean
2063	<i>Serenou serrulata</i> L.	Palmetto Sabal	Fruits	Rich brown	3.3	0.4	13.96	Medium brown	0.48	Strongly suggestive of coconut oil	Clean
2881	<i>Stiphium laciniatum</i> L.	Resin Weed	Roots	Dark brown	11.8	1.0	2.40	Light yellow	0.40	Somewhat acrid	Clean
2382	<i>Smilax pseudo-china</i> L.	Bamboo briar	Roots	Light grayish brown	2.8	0.4	0.48	Nearly colorless	0.08	Faint, slight suggestion of licorice extract	Clean

2620	<i>Smilax pseudo-china</i> L.	Bamboo briar	Roots	Light brown	grayish yellowish	3.0	0.5	0.36	0.14	Nearly colorless	Faint, slight suggestion of licorice extract	Clean
2520	<i>Smilax</i> (herbacea?) L.	White Lady Slip per	Root	Med. brown	yellowish brown	20.2	14.9	0.62	0.08	Light green		Dirty
2665	<i>Solanum carolinense</i> L.	Horsenettle	Root	Light brown	grayish brown	9.3	1.1	1.16	0.28	Very light yellow-green	Suggestive of wild ginger	Dirty
2622	<i>Solanum carolinense</i> L.	Horsenettle	Berries	Brown		7.1	0.4	12.16	0.16	Green-yellow	Suggestive of butyric and valerianic acid	Dirty
2625	<i>Solanum carolinense</i> L.	Horsenettle	Flowers	Grayish brown		27.5	1.8	1.74	0.14	Medium green-brown	Raw	Dirty
2074	<i>Solanum carolinense</i> L.	Horsenettle	Herb (35% stems)	Brownish green		14.9	5.1	2.01	0.04	Medium dark green	Raw, offensive, somewhat dusty	Dusty
2485	<i>Solanum dulcamara</i> L.	Bittersweet	Root bark	Medium brown		12.2	5.0	11.86	1.10	Lustrous dark brownish red		Fairly clean
2053	<i>Solanum nigrum</i> L.	Nightshade	Herb	Brownish green		16.4	3.0	1.24	0.14	Medium dark green	Raw, sourish, peppery	Dusty
2567	<i>Solidago odora</i> Ait.	Sweet Goldenrod	Flowering tops	Light green	yellowish	8.5	2.0	5.70	0.80	Dark green	Suggestive of anise and chamomile	Clean
1990	<i>Sorbus aucuparia</i> L.	Mountain Ash	Bark, rossed	Light brown	reddish brown	4.1	0.2	4.98	0.26	Very light brown	Somewhat rancid, fatty	Clean
2664	<i>Spathyema foetida</i> (L.) Raf.	Skunk Cabbage	Roots & rhizomes	Medium brown	grayish brown	6.1	2.0	1.08	0.12	Very light brown	Fatty, slightly fetid	Clean
2092	<i>Spigelia marylandica</i> L.	Pink Root	Root & rhizomes	Dark brown	grayish brown	17.5	10.8	1.78	0.12	Light brown		Somewhat dirty
2641	<i>Spigelia marylandica</i> L.	Pink Root	Root & rhizomes	Dark brown	grayish brown	20.3	4.4	1.26	0.08	Light brown		Clean; ash high in carbonates
2119	<i>Spigelia marylandica</i> L.	Pink Root	Root & rhizomes	Brownish gray		10.2	2.8	2.40	0.16	Very light yellow-brown		Clean
2741	<i>Spigelia marylandica</i> L.	Pink Root	Root & rhizomes	Brownish gray		13.1	7.1	2.30	0.20	Very light yellow-brown		Fairly clean
2701	<i>Spiraea tomentosa</i> L.	Hardhack	Leaves	Light brown	greenish brown	4.2	1.1	6.64	0.12	Medium green	Sourish, faintly aromatic	Clean
2008	<i>Stillingia sylvatica</i> L.	Queen's Delight	Root	Very light brown	grayish brown	4.5	1.7	2.58	0.24	Very light yellow	Raw, nutty	Fairly clean
2095	<i>Stillingia sylvatica</i> L.	Queen's Delight	Root	Light brown	reddish brown	4.9	1.7	3.42	0.22	Nearly colorless	Raw, nutty	Fairly clean
2598	<i>Stylosanthes elatior</i> Swartz.	Pencil Flower (Squaw Weed)	Herb (1 a r g e l y stems)	Grayish green		7.2	1.0	2.12	0.14	Medium green	Faintly aromatic	Clean; 1 a r g e amount of stems normal
2276	<i>Symphytium officinale</i> L.	Comfrey	Root	Brownish gray		8.9	1.6	0.80	0.06	Light red		Clean
2363	<i>Symphytium officinale</i> L.	Comfrey	Root	Brownish gray		11.2	2.1	1.40	0.18	Light red		Clean
2551	<i>Symphytium officinale</i> L.	Comfrey	Root	Dark gray	brownish	6.8	1.0	0.36	0.06	Light red		Clean
2376	<i>Tanacetum vulgare</i> L.	Tansy	Herb (30% stems)	Olive-green		12.2	1.4	5.57	0.72	Dark green	Characteristic	Clean

Lab. No.	Name.		Part employed.	Color of powder.	Ash.		Ether extract.		Remarks.		
	Scientific.	Trade.			Total.	Acid insoluble.	Total.	Volatile.		Color.	Odor.
2539	<i>Tanacetum vulgare</i> L.	Tansy	Herb (30% stems)	Olive-green	13.4	1.1	4.21	0.59	Medium dark green	Characteristic	Clean
2291	<i>Tanacetum vulgare</i> L.	Tansy	Herb (25% stems)	Olive-green	13.1	1.0	4.68	0.66	Medium dark green	Characteristic	Clean
2320	<i>Taraxacum officinale</i> L.	Dandelion	Root	Grayish brown	7.3	1.1	5.50	0.07	Nearly colorless		Clean
2012	<i>Thelya occidentalis</i> L.	Arbor vitae	Leaves	Light olive-green	7.1	0.6	9.68	0.68	Dark green-brown	Pleasant, aromatic, characteristic	Clean
2379	<i>Tonara virginiana</i> (L.) Raff.	Wild Water Pepper	Herb (20% stems)	Grayish green	12.3	1.6	1.18	0.14	Dark green-brown	Peppery	Clean
2603	<i>Toxicodendron toxicodendron</i> L.	Poison Oak	Leaves	Medium green	7.5	0.5	9.98	0.30	Dark green	Raw	Clean
2271	<i>Toxicodendron toxicodendron</i> L.	Poison Oak	Leaves	Medium dark green	8.3	0.3	5.24	0.20	Dark green	Raw somewhat suggestive of raw cucumber	Clean
2300	<i>Trifolium pratense</i> L.	Red Clover	Tops	Brown	7.3	0.8	3.02	0.24	Medium brownish green	Sweet, slightly aromatic	Clean
2022	<i>Trifolium pratense</i> L.	Red Clover	Flowers with leaves	Greenish brown	7.5	0.6	3.66	0.38	Dark green	Sweet, slightly aromatic faintly acetic	Clean
2454	<i>Trifolium repens</i> L.	White Clover	Flowers	Greenish brown	11.5	3.8	2.52	0.14	Medium brownish green	Characteristic	Fairly clean
2301	<i>Trifolium repens</i> L.	White Clover	Flowers	Greenish brown	7.3	0.5	3.70	0.18	Medium brownish green	Characteristic	Clean
1992	<i>Trilisa odoratissima</i> (Walt.) Cass.	Deer Tongue (Southern Vanilla)	Herb	Brownish green	10.7	4.2	12.80	0.84	Medium greenish brown	Characteristic; very strong of coumarin	Clean
2415	<i>Trillium cernuum</i> L.	Beth Root	Root	Light grayish brown	19.2	15.7	12.96	0.94	Light brownish yellow	Fatty, rancid	Dirty
2592	<i>Trillium cernuum</i> L.	Beth Root	Root	Light grayish brown	10.2	5.4	11.50	1.04	Brownish yellow	Fatty, rancid	Clean
2088	<i>Trillium erectum</i> L.	Beth Root	Root	Light grayish brown	6.6	3.2	5.32	0.38	Light yellow	Fatty, rancid	Clean
2296	<i>Trillium erectum</i> L.	Beth Root	Root	Very light gray	2.2	0.7	7.10	0.30	Light brownish yellow	Fatty, bland	Clean
2087	<i>Triosteum perfoliatum</i> L.	Feverwort or Horse Gentian	Root	Light gray	3.6	1.2	1.36	0.12	Nearly colorless, brownish tinge		Clean
2545	<i>Tsuga canadensis</i> Mich.	Hemlock	Tree bark rossed	Light brown reddish	6.7	0.2	3.72	0.24	Bright brownish red		Clean
2636	<i>Typha latifolia</i> L.	Cat-tail Flag	Rhizome	Medium brown	6.3	0.7	0.72	0.06	Brownish yellow		Clean

1979	<i>Ulmus fulva Michx.</i>	Slippery Elm	Bark, clean rossed	Very light dish gray	8.0	0.2	2.72	0.12	Transparent, nearly colorless	Characteristic	Clean; rather difficult to ash completely
2391	<i>Ulmus fulva Michx.</i>	Slippery Elm	Bark, rossed	Very light dish gray	10.4	1.9	3.46	0.16	Transparent, nearly colorless	Characteristic	Clean
2362	<i>Ulmus fulva Michx.</i>	Slippery Elm	Tree bark, rossed	Very light dish gray	11.7	0.7	1.70	0.12	Transparent, nearly colorless	Characteristic	Clean
2295	<i>Ulmus fulva Michx.</i>	Slippery Elm	Tree bark, rossed	Very light gray	12.1	1.6	1.46	0.10	Transparent, nearly colorless	Characteristic	Clean
2617	<i>Urtica dioica L.</i>	True Nettle	Leaves	Olive-green	15.1	1.5	3.16	0.12	Very dark green	Tea-like	Clean; ash high in carbonates
2597	<i>Usnea barbata Fr.</i>	Maple Moss	Lichen	Brownish gray	2.3	0.3	5.76	0.22	Mottled yellow and greenish gray	Raw	Clean
2548	<i>Ustilago maydis (D. C.) Ful.</i>	Corn Smut	Spores largely	Very dark brown	8.2	1.8	1.96	0.12	Light brown		Clean
2588	<i>Uvularia perfoliata L.</i>	Bellwort	Herb (45% stems)	Brownish green	9.1	0.8	5.84	0.46	Medium dark brownish green	Sour, slightly sugges- tive of varnish	Clean
2021	<i>Uvularia perfoliata L.</i>	Bellwort	Root	Light brown	4.9	1.2	0.52	0.04	Creamy	Sweetish, dusty	Clean
2315	<i>Veratrum viride Ait.</i>	American bore	Rhizome & roots	Light gray	4.2	1.0	2.14	0.06	Light grayish brown		Clean
2526	<i>Veratrum viride Ait.</i>	American bore	Rhizome & roots	Brownish gray	7.5	2.3	1.62	0.16	Brown		Clean
2333	<i>Veratrum viride Ait.</i>	American bore	Rhizome & roots	Brownish gray	4.6	1.8	2.28	0.05	Light brown		Clean
2348	<i>Verbascum thapsus L.</i>	Mullein	Leaves	Brownish green	18.2	10.7	1.78	0.20	Brown-green	Somewhat suggestive of opium	Fairly clean
2674	<i>Verbascum thapsus L.</i>	Mullein	Leaves	Brownish green	39.4	29.2	1.64	0.14	Brown-green		Somewhat dirty
2307	<i>Verbascum thapsus L.</i>	Mullein	Leaves	Brownish green	15.5	6.3	2.94	0.32	Brown-green		Clean
2024	<i>Verbena stricta Vent.</i>	Blue verbena	Fruiting tops (largely stems)	Grayish brown	5.6	0.4	1.96	0.06	Medium green	Sourish	Clean; (sub- mitted as Blue verbena (<i>Ver- bena hastata</i> Clean; large amount of stems normal
2637	<i>Verbena urticifolia L.</i>	White verbena	Flower tops (largely stems)	Grayish brown	14.2	0.4	3.12	0.12	Medium green- brown	Sourish	Clean
2714	<i>Verbena urticifolia L.</i>	White verbena	Leaves	Green	12.6	3.8	2.84	0.16	Dark brown	Sourish	Clean
2590	<i>Verbena urticifolia L.</i>	White verbena	Root	Grayish brown	24.0	18.9	0.96	0.08	Light greenish yellow	Sweetish, faintly aro- matic	Dirty
2042	<i>Veronica officinalis L.</i>	Speedwell	Herb (35% stems)	Grayish green	7.1	1.3	3.66	0.34	Olive-green	Pleasant, somewhat suggestive of rasp- berries	Slightly dusty
2582	<i>Veronica virginica L.</i>	Culvers	Root	Medium green	11.4	8.0	0.94	0.04	Very light yellow	Suggestive of lemon grass	Somewhat dirty

Lab. No.	Name.		Part employed.	Color of powder.	Ash.		Ether extract.		Odor.	Remarks.
	Scientific.	Trade.			Total. ble.	Acid-insolu-ble.	Total. titl.	Color.		
1988	<i>Viburnum dentatum</i> L.	Mealy Tree (Arrow Wood)	Tree bark	Medium brown	6.7	1.9	3.64	0.24	Yellowish green	Clean
2497	<i>Viburnum nudum</i> L.	Shawnee Haw	Tree bark	Light brown	6.9	1.4	10.20	1.04	Light yellowish green	Acetic, butyric, valerianic
2432	<i>Viburnum nudum</i> L.	Shawnee Haw	Tree bark	Medium brown	5.5	0.5	12.82	0.98	Light yellowish green	Acetic, butyric, valerianic
2559	<i>Viburnum nudum</i> L.	Shawnee Haw	Root bark	Medium brown	8.8	1.1	6.22	0.60	Very light green-yellow	Butyric and valerianic
2738	<i>Viburnum opulus</i> L.	Clamp bark	Tree bark	Light brown	10.7	0.3	11.04	1.14	Olive-green	Characteristic, valerianic
2314	<i>Viburnum prunifolium</i> L.	Black Haw	Root bark	Medium brown	6.9	2.0	13.12	0.80	Very pale brown	Characteristic, valerianic
2389	<i>Viburnum prunifolium</i> L.	Black Haw	Root bark	Medium brown	7.7	3.2	14.52	0.76	Very pale brown	Characteristic, valerianic
2529	<i>Viburnum prunifolium</i> L.	Black Haw	Root bark	Medium brown	10.2	3.7	11.04	0.52	Pale yellowish green	Characteristic, valerianic
2518	<i>Viburnum prunifolium</i> L.	Black Haw	Tree bark	Light brown	6.2	0.3	12.66	0.84	Light yellowish green	Valerianic
2098	<i>Viburnum prunifolium</i> L.	Black Haw	Tree bark	Light brown	7.9	0.7	8.32	0.30	Light yellowish green	Valerianic
2007	<i>Vinca minor</i> L.	Pertivinkle	Root	Light brown	10.0	2.6	1.82	0.14	Light brown-green	Dusty
2584	<i>Viola species</i>	Violet	Root	Light reddish brown	6.7	0.3	0.70	0.08	Nearly colorless, greenish tinge	Clean
2298	<i>Xanthorrhiza apifolia</i> L'Her	Yellow Root	Root	Greenish yellow	3.9	1.0	2.3	0.20		Clean
2407	<i>Xanthorrhiza apifolia</i> L'Her	Yellow Root	Root	Greenish yellow	3.2	0.9	1.90	0.10		Clean
2550	<i>Xanthorrhiza apifolia</i> L'Her	Yellow Root	Root	Greenish yellow	2.6	0.7	1.24	0.20	Light yellow	Clean
2557	<i>Xanthoxalis stricta</i> (L.) Small	Sourgrass	Herb (large stems)	Medium brown	12.2	9.7	2.72	0.18	Dark green	Sour
2267	<i>Zanthoxylum clava-herculis</i> L.	Southern Ash	Tree bark	Light brown	5.0	0.5	10.38	0.22	Yellowish brown	Suggestion of hard wood saw mill
2510	<i>Zanthoxylum clava-herculis</i> L.	Southern Ash	Tree bark	Light brown	6.1	0.3	12.80	0.32	Yellowish brown	Suggestion of hard wood saw mill
2725	<i>Zanthoxylum clava-herculis</i> L.	Southern Ash	Berries	Rich brown	7.5	1.1	11.88	0.30	Dirty brown-green	Suggestive of rue and bay laurel
2508	<i>Zea Mays</i> L.	Corn Silk	Pistils	Medium brown	4.0	0.7	1.18	0.14	Light yellow	Clean

Dirty; normally consists largely of stems