

Chemical and philosophical researches require this accuracy in experiments, lest erroneous deductions should be made from their results. But it is by no means necessary to be thus scrupulously exact to determine the purity and consequent comparative commercial value of Pot and Pearl Ashes. This may be done with great ease and certainty, and with little apparatus. The apparatus need consist only of a little vegetable blue, and some acid prepared as above—two or three glass tumblers, a vial that will contain four ounces of rain water, and a small pair of scales and weights; the weights to conform to the vial and contained water: *e. g.* one weight that will exactly balance or tare the empty vial—one that will weigh precisely as much as the quantity of rain water the vial will contain, *i. e.* four ounces.

The four ounce weight may be marked 128

One two ounce	do.	do.	64
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One ounce,			32
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One half ounce,			16
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One quarter ounce,			8
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One eighth,			4
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One sixteenth of an ounce,			2
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One thirty-second,			1
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By thus marking them they may be denominated carat weights.

Take then one ounce, or thirty-two carats of such Pot or Pearl Ash, as having been faithfully made from good wood ashes, is known to be of the best quality. Let it be pulverized, that  
solution