



The following are a list of discrepancies noted in several of the General Hydroponics bottles. All labs Test were done at A&L Western Laboratories in California. The numbers (#s) indicate the bottle batch codes the samples were extracted from for analysis. The areas highlighted indicate a deficient analysis.

- Areas highlighted in Red (■) are AT LEAST 100% over the General Hydroponics Guaranteed Analysis.
- Areas highlighted in Orange (■) are AT LEAST 50% over the indicated value.
- Areas highlighted in Yellow (■) are deficient.

General Hydroponics Flora Grow

Essential Element	GH Flora Grow Guaranteed Analysis	GH Flora Grow #3710251	GH Flora Grow #1708259	GH Flora Grow #3420301	GH Flora Grow #1700013
Ammoniacal Nitrogen (N-NH ₄)	0.25%	0.683% (173.2% over!)	0.64% (156% over!)	N/A	0.59% (136% over!)
Nitrate Nitrogen (N-NO ₃)	1.75%	2.286%	2.42%	N/A	1.93%
Total Nitrogen (N)	2.0%	2.968%	3.06%	2.66%	2.52%
Phosphate (P ₂ O ₅)	1.0%	1.453%	1.63%	1.16%	1.25%
Potash (K ₂ O)	6.0%	6.62%	5.99%	5.81%	6.03%
Magnesium (Mg)	0.5%	0.62%	0.59%	0.53%	0.535%

General Hydroponics Flora Bloom

Essential Element	GH Flora Bloom Guaranteed Analysis	GH Flora Bloom #4710278	GH Flora Bloom #4708253	GH Flora Bloom #2420355	GH Flora Bloom #1700300
Phosphate (P ₂ O ₅)	5.0%	7.15%	6.8%	5.73%	5.77%
Potash (K ₂ O)	4.0%	4.82%	4.324%	3.84%	3.99%
Magnesium (Mg)	1.5%	1.866%	1.79%	1.64%	1.60%
Sulfur (S)	1.0%	N/A	2.08% (108% over!)	2.00% (100% over!)	2.08% (108% over!)

General Hydroponics Flora Micro

Essential Element	GH Flora Micro Guaranteed Analysis	GH Flora Micro #2708077	GH Flora Micro #1710257	GH Flora Micro #2420294	GH Flora Micro #1700293
Ammoniacal Nitrogen (N-NH ₄)	0.3%	0.71% (136.7% over!)	0.816% (172% over!)	N/A	0.63% (110% over!)
Nitrate Nitrogen (N-NO ₃)	4.7%	5.87%	6.23%	N/A	4.86%
Total Nitrogen (N)	5.0%	6.58%	7.046%	5.21%	5.49%
Potash (K ₂ O)	1.0%	2.04% (104% over!)	1.29%	0.95%	1.15%
Calcium (Ca)	5.0%	6.90%	7.054%	6.11%	5.70%
Boron (B)	0.01%	0.0122%	0.0120%	N/A	0.010%
Cobalt (Co)	0.0005%	0.0004%	0.00086%	0.00033%	N/A
Copper Chelated (Cu)	0.01%	0.0067%	0.013%	N/A	0.010%
Iron Chelated (Fe)	0.1%	0.044%	0.139%	0.107%	0.122%
Manganese Chelated (Mn)	0.05%	0.028%	0.055%	0.043%	0.048%
Molybdenum (Mo)	0.0008%	0.0017% (112.5% over!)	0.00085%	0.00049%	Not Detected
Zinc Chelated (Zn)	0.015%	0.0296% (97.3% over!)	0.021%	N/A	0.018%

Nearly every bottle (75%) has a deficiency in the contents (the amounts analyzed do not meet or exceed the amounts listed.) And **EVERY** bottle has a significant discrepancy between what is listed on the label and what is present in the bottle. In some cases, the deviation is over 100%.

A note must be made: N/A means Not Analyzed, which means that the ingredient was not tested for. This does not mean that it is not present, simply that the analysis was not conducted on that particular ion. Not detected means that the element was not detected when the analysis was conducted. This means that the ion is present below "cut off" values for that particular analysis, while the machine (ICP or Induction Plasma) in most cases can pick up contaminants in the order of 0.1 PPM (0.00001%.) With that in mind, all of the analyses were done using the same laboratory, under the same stringent guidelines imposed by the Association of American Plant Food Control Officials (AAPFCO.)