

Name	from PPM	to PPM	Relative Intensity	Absolute Intensity
TSP	-0.03	0.03	10.00	38717
Acetate	1.87	1.95	4.45	17231
<sup>13</sup> C satellite for β-Anomeric	4.44	4.52	0.60	2320
β-Anomeric	4.59	4.68	19.38	75040
<sup>13</sup> C satellite for α-Anomeric	5.04	5.08	2.18	8457
α-Anomeric	5.19	5.28	75.16	290994
<sup>13</sup> C satellite for α-Anomeric	5.38	5.42	2.14	8272
Total Glucose (6 protons)				2324427

### 13C Abundance of anomeric proton of glucose

5.52%

Concentration (mM)	Calculated	Relative
Glucose	100.1	98.54%
Acetate	1.5	1.46%

Mass (mg)	Calculated	Added	Percent Recovery	Relative
Glucose	10.72	10.7	100.19%	99.51%
Acetate	0.05	0		0.49%

Name	from PPM	to PPM	Relative Intensity	Absolute Intensity
TSP	-0.04	0.03	10.00	42776
Acetate	1.83	2.02	1.30	5574
<sup>13</sup> C satellite for β-Anomeric	4.41	4.54	2.87	12268
β-Anomeric	4.60	4.69	0.26	1112
<sup>13</sup> C satellite for α-Anomeric	4.99	5.11	8.48	36271
α-Anomeric	5.17	5.29	0.73	3116
<sup>13</sup> C satellite for α-Anomeric	5.32	5.47	8.69	37177
Total Glucose (6 protons)				613265

### **13C Abundance of anomeric proton of glucose**

95.86%

Concentration (mM)	Calculated	Relative
Glucose	23.9	98.21%
Acetate	0.4	1.79%

Mass (mg)	Calculated	Added	Percent Recovery	Relative
Glucose	2.64	2.8	94.17%	99.42%
Acetate	0.02	0		0.58%

Name	from PPM	to PPM	Relative Intensity	Absolute Intensity
TSP	-0.15	0.20	10.00	36583.53
Unknown	0.24	4.03	0.01	360.20