

TABLE 2. Comparison of the experimentally determined elemental composition of *B. subtilis* biomass to the composition calculated from the macromolecular biomass data in N- and P-limited chemostat cultures

Method of determination	Elemental composition of <i>B. subtilis</i> biomass at indicated dilution rates in:			
	N-limited chemostat		P-limited chemostat	
	0.1 h ⁻¹	0.4 h ⁻¹	0.1 h ⁻¹	0.4 h ⁻¹
Experimental ^a	C ₁ H _{1.49} N _{0.22}	C ₁ H _{1.63} N _{0.22}	C ₁ H _{1.61} N _{0.23}	C ₁ H _{1.59} N _{0.24}
Calculated ^b	C ₁ H _{1.646} N _{0.219} O _{0.410} P _{0.019} S _{0.005}	C ₁ H _{1.626} N _{0.231} O _{0.412} P _{0.021} S _{0.005}	C ₁ H _{1.608} N _{0.235} O _{0.364} P _{0.008} S _{0.006}	C ₁ H _{1.594} N _{0.239} O _{0.387} P _{0.012} S _{0.005}

^a Molecular weights are 24.83, 24.82, 23.70, and 24.23.

^b Molecular weights are 24.82, 24.92, 23.70, and 24.30.