

TABLE 4. Biomass composition of *S. cerevisiae* grown on three different nitrogen sources

Substance (unit)	Value ^a with the following nitrogen source:		
	Ammonium	Glutamic acid	Amino acid mixture
Total protein (g/g [dry wt])	0.63 ± 0.03 ^b	0.58 ± 0.02	0.59 ± 0.03
Glycogen (mg/g [dry wt])	13.9 ± 6.3 ^b	7.3 ± 2.6	5.0 ± 0.5
Trehalose (mg/g [dry wt])	3.6 ± 0.5 ^b	2.9 ± 0.1	3.6 ± 2.1
Ash (mg/g [dry wt])	88.6 ^c	96.7 ± 8.2	96.2 ± 2.1
Unit carbon formula	CH _{1.62} O _{0.47} N _{0.21} ^c	CH _{1.60} O _{0.45} N _{0.20}	CH _{1.63} O _{0.49} N _{0.21}
C-molar mass (g ^d /C-mol)	24.11 ^c	23.63 ± 0.28	24.43 ± 0.03

^a The maximal deviations are given. The samples were taken shortly after glucose depletion and, except as noted, are averages from three independent experiments.

^b Mean and deviation from two experiments.

^c Single experiment.

^d Dry and ash free.