



**Figure S1.** - Global distribution of the different baoba's constituents across the four Namibe municipalities.

**Table S1.** P-values obtained from the Shapiro-Wilks normality tests for each of the constituents' levels within each municipality. Grey cells indicate those tests that failed at the 5% significance level.

Constituent/Municipality	BCI	CNI	MC	VSI
Moisture (%)	0.1847	0.8075	0.5690	0.7083
Ash (%)	0.1009	0.1020	0.9502	0.0196
Protein(%)	0.1860	0.4924	0.5881	0.1353
TDF (%)	0.5598	0.4989	0.6465	0.3080
HC (%)	0.3779	0.8669	0.4265	0.4161
Energy (kcal/100g)	0.1095	0.5403	0.4909	0.5258
Ca (ppm)	0.0035	0.9853	0.2840	0.0399
K (ppm)	0.0167	0.1332	0.0812	0.0642
P (ppm)	0.2484	0.0892	0.4663	0.1697
Cl (ppm)	0.2571	0.1829	0.4581	0.0324
S (ppm)	0.0635	0.45990	0.6782	0.5471
TPC (mg GAE/100g)	0.0312	0.4192	0.9409	0.0416
AA (mmol TE/100g)	0.0035	0.5793	0.7365	0.0416
Vitamin C (mg/100g)	0.2185	0.0587	0.4341	0.0758

**Table S2.** P-values obtained from the Bartlett and Levene tests of variance homogeneity for each of the constituents' levels across the 4 municipalities. Grey cells indicate those tests that failed at the 5% significance level.

	p-value
Moisture (%)	0.2608
Ash (%)	0.2915
Protein (%)	0.0009
TDF (%)	0.1665
HC (%)	0.0767
Energy (kcal/100g)	0.0665
Ca (ppm)	0.5799
K (ppm)	0.3012
P (ppm)	0.0016
Cl (ppm)	0.8841
S (ppm)	0.4745
TPC (mg GAE/100g)	0.3704
AA (mmol TE/100g)	0.3219
Vitamin C (mg/100g)	0.0013

**Table S3.** Results from the pairwise comparison of means across the 4 municipalities for the constituents for which the existence of at least one pairwise significant difference was detected by the F-ANOVA, F-Welch-ANOVA and Kruskal Wallis tests. Significant differences are marked with X.

	Paired municipalities					
	VSI-BCI	CNI-BCI	CNI-VSI	MC-VSI	MC-CNI	MC-BCI
Moisture (%)				X		X
Energy (kcal/100g)		X				
S (ppm)				X		
TPC (mg GAE/100g)						X
AA (mmol TE/100g)					X	X
Vitamin C (mg/100g)						X