Mega-Calc™ Data Calculator

Yeast & Mushroom β-Glucan (K-YBGL) - Determination

Setting New Standards in Test Technology

Sample details K-YBGL, 07/11/2019

Absorbance values for 100 micrograms of D-glucose standard

Replicate 1	Replicate 2	Replicate 3	Replicate 4	Average Abs
1.0500	1.0420	1.0440	1.0380	1.0435

95.8313 Factor [=100 (micrograms of D-glucose)/Absorbance for 100 micrograms of D-glucose]

	Sample identifier	Analyte	Absorbance values			Sample volume (mL)	Sample weight (mg)	Extract volume (mL)	Yeast or Mushroom Beta-Glucan (% w/w) "as is"
			A	B	Average				
1	Yeast β-glucan control, 49%	**Total Glucan**	0.5320	0.5280	0.5300	0.1	91	100	50.2325
	Lot 130905	Alpha-Glucan	0.0600	0.0610	0.0605	0.1	99.2	10.3	0.5418
		Beta-Glucan							49.6907
2	Yeast β-glucan control, 49%	**Total Glucan**	0.5250	0.5310	0.5280	0.1	90.2	100	50.4868
	Lot 130905	Alpha-Glucan	0.0610	0.0600	0.0605	0.1	99.2	10.3	0.5418
		Beta-Glucan							49.9450
3	Yeast β-glucan control, 49%	**Total Glucan**	0.5410	0.5090	0.5250	0.1	91.9	100	49.2713
	Lot 130905	Alpha-Glucan	0.0540	0.0520	0.0530	0.1	100.9	10.3	0.4666
		Beta-Glucan							48.8047
4	Yeast β-glucan control, 49%	**Total Glucan**	0.5330	0.5330	0.5330	0.1	90.3	100	50.9084
	Lot 130905	Alpha-Glucan	0.0600	0.0620	0.0610	0.1	101.5	10.3	0.5339
		Beta-Glucan							50.3745