



DATE: 3-11-05

DETERMINATION OF FRUCTAN (PAHBAH METHOD)

Reagent Blank = 0.038 (zeroed)

Sample	Weight (mg)	Volume (ml)	Absorbance/blank (410 nm)	Absorbance/ reaction (410 nm)	Reaction - blank (410 nm)	Fructan (% w/w) 'as is'
1 Fructan control; 28.8% 'as is'; Lot 90705	99.9	50	0.010	0.501 / 0.503 / 0.509	0.494	28.53
2 Fructan control; 28.8% 'as is'; Lot 90705	99.4	50	0.010	0.510 / 0.499 / 0.506	0.495	28.73
3 Fructan control; 28.8% 'as is'; Lot 90705	99.4	50	0.010	0.517 / 0.499 / 0.495	0.492	28.56
4 Sucrose control; 9.7% sucrose; Lot 50901	1001.1	100	0.010	0.027 / 0.030 / 0.023	0.016	0.184
5 Sucrose control; 9.7% sucrose; Lot 50901	1002.2	100	0.010	0.021 / 0.022 / 0.023	0.012	0.138
6 Sucrose control; 9.7% sucrose; Lot 50901	1000.9	100	0.011	0.023 / 0.024 / 0.024	0.0136	0.156

Fructose/54.5µg = 1.165 / 1.177 / 1.169 / 1.165; Average = 1.169; F = 46.62

Fructan (% w/w, 'as is') = $\Delta E \times F \times V \times 1/0.2 \times 1.1/0.2 \times 100/W \times 1/1000 \times 162/180 = \Delta E \times F \times V/W \times 2.475$