



DATE: 26/10/05

DETERMINATION OF RESISTANT STARCH

Reagent Blank = 0.015 (zeroed)

Sample	Weight (mg)	Moisture content (%)	Extract Volume (mL)	Absorbance values (510 nm)	Average absorbance (510 nm)	Resistant Starch (% w/w) 'as is'	Resistant Starch (% w/w) 'dwb'
1 Resistant starch control; Lot 50904, 52.5% RS 'dwb', MC = 14.7%	91.6	14.7	100	0.492 / 0.493 / 0.487	0.491	44.23	51.85
2 Resistant starch control; Lot 50904, 52.5% RS 'dwb', MC = 14.7%	102.2	14.7	100	0.551 / 0.564 / 0.570	0.562	45.38	53.20
3 Resistant starch control; Lot 50904, 52.5% RS 'dwb', MC = 14.7%	92.6	14.7	100	0.502 / 0.498 / 0.509	0.503	44.85	52.58
4 Resistant starch control; Lot 50904, 52.5% RS 'dwb', MC = 14.7%	101.9	14.7	100	.0549 / 0.548 / 0.572	0.556	45.05	52.22

Glucose/100 μ g = 1.062 / 1.099 / 1.102 / 1.097; Average = 1.090; F = 91.743

Resistant Starch, % = $\Delta E \times F \times 10.3/0.1 \times 1/1000 \times 100/W \times 162/180 = \Delta E \times F/W \times 9.27$ (for undiluted solutions)
 $\Delta E \times F \times 100/0.1 \times 1/1000 \times 100/W \times 162/180 = \Delta E \times F/W \times 90$ (for dilutions to 100mls)...booklet (Pg. 10)

Comments.....