



Mega-Calc™ Data Calculator

Starch Damage/Gelatinisation (K-SDAM) - Determination



Setting New Standards in Test Technology

Sample details

K-SDAM, 07/11/2019

Absorbance values for 150 micrograms of D-glucose standard

Replicate 1	Replicate 2	Replicate 3	Replicate 4	Average Abs
1.1935	1.2019	1.2034	1.1939	1.1982

125.1904 Factor [=150 (micrograms of D-glucose)/Absorbance for 150 micrograms of D-glucose]

	Sample identifier	Absorbance values			Volume Enzyme solution (mL)	Volume sulfuric acid solution (mL)	Sample weight (mg)	Extract volume (mL)	Dilution (-fold)	Starch Damage or Gelatinisation (%w/w) "as is"
		Sample	Δ	Abs						
1	Wheat flour control, Lot 120306, 8.2%	0.8160	0.8127	0.8144	1.0	8.0	100	9.0	1	8.2579
2	Wheat flour control, Lot 120306, 8.2%	0.7951	0.7951	0.7951	1.0	8.0	100.3	9.0	1	8.0385
3	Wheat flour control, Lot 120306, 8.2%	0.8406	0.8444	0.8425	1.0	8.0	104.5	9.0	1	8.1754
4	Wheat flour control, Lot 120306, 8.2%	0.8458	0.8464	0.8461	1.0	8.0	104.7	9.0	1	8.1947