

TOTAL STARCH CONTROL FLOURS

PRODUCT INSTRUCTIONS

SKU: 700004349
K-TSCK

10/24

Use with K-TSTA or K-TSHK

(6 Controls per kit)



Total Starch Controls:

1 vial, approximately 5 grams of each of the following.

Sample	Moisture (%)*	Total Starch % 'as is' basis**		
		Method A	Method B	Method D
Wheat Starch	10.8	86.5	85.4	86.2
High Amylose Maize Starch	13.0	77.3	82.5	82.8
Chicken Feed	9.0	36.6	35.7	37.3
Soybean Meal	9.2	2.8	3.0	2.9
Corn Silage	5.9	33.1	33.4	33.7
Wheat Flour	12.2	68.9	68.5	69.3

* Moisture content determined at time of packing, see labels for exact values.

** These are example values, see labels for exact values.

K-TSTA Method A: RTS Method — Sample is incubated in Na Acetate buffer (pH 5) with thermostable α -amylase at 100°C for 15 min. Followed by an incubation with amyloglucosidase at 50°C for 30 min.

K-TSTA Method B: RTS-NaOH Method — Sample is stirred in ice cold 1.7 M NaOH for 15 min and then neutralised with buffer. Thermostable α -amylase and amyloglucosidase added and incubated at 50°C for 30 min.

K-TSTA Method D: DMSO Method — Sample is suspended in DMSO and incubated at 100°C for 5 min. Thermostable α -amylase added in buffer and incubated at 100°C for 6 min. Neutralised with buffer and amyloglucosidase added and incubated at 50°C for 30 min.



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