

See Approved Commodities

Test Ranges:

0 to 1.5 ppm 0 to 6 ppm 0 to 25 ppm

Wheat

Charm-Validated Commodities:

^A2:1 Extraction Ratio: Barley, Corn, Corn Gluten Meal, Flaking Corn Grits, Millet, Oat Groats, Rough Rice, Sorghum,

B 3:1 Extraction Ratio: Distillers Dried Grain with Solubles (DDGS)

c 3:1 Extraction Ratio: Corn Germ Meal











(5) Dilute^c

100 µL Extract 1.0 mL FUM Dilution Buffer c158 µL Extract for

Diluted Extract Corn Germ Meal

Filter for: **Barley and Wheat only** 300 µL Diluted Extract



(6) Dilute

Prepare 2nd Diluted Extract

(1) Weigh

50 g

Ground sample

(2) Add Solvent

100 mLA/ 150 mLBC

70% Methanol

(3) Extract

Shake vigorously or blend for 1 minute; do not exceed 2 minutes. Centrifuge or allow to settle

(4) Clarify

Prepare Diluted Extract

^cDiluted Extract for corn germ meal samples cannot be assayed, continue to prepare and assay 2nd Diluted Extract

(1)

Place test strip in ROSA Incubator or Charm EZ®-M system.

For Charm EZ-M system, select appropriate test, commodity, and dilution if prompted.



(2)

Peel tape.

Pipet 300 µL Diluted Extract or 2nd Diluted Extract into sample compartment.

Reseal tape.



Pass Diluted Extract through RC15 Filter

(3)

Close lid.

Incubate for 5 minutes.

(1) Inspect test strip

(2) Read result with ROSA-M Reader or Charm EZ-M system

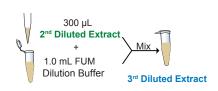
ROSA-M Reader: Select FUM channel in 3-line mode (blinking) and appropriate MATRIX.

Charm EZ-M system: Select appropriate test, commodity and dilution if prompted.

Valid Test					
C T2 T1	C T2 T1	C T2 T1			
	nvalid Te	st			
\square	\Box	\square			
С	C	c			
\square	\Box	\square			

Extraction Ratio	Sample (Dilution)	MATRIX	Quantitation Range	LOD
2:1 ^A	Diluted Extract (DE)	00	0.5 to 1.5 ppm	0.25 ppm
	2 nd Diluted Extract (2ND DE)	01	1 to 5.4 ppm	_
	3 rd Diluted Extract (3RD DE)	02	5 to 25 ppm	_
3:1 ^B	Diluted Extract (DE)	03	0.5 to 1.5 ppm	0.25 ppm
	2 nd Diluted Extract (2ND DE)	04	1 to 5.4 ppm	_
	3rd Diluted Extract (3RD DE)	05	5 to 25 ppm	_
3:1°	2 nd Diluted Extract (2ND DE)	01	1 to 5.4 ppm	-
	3 rd Diluted Extract (3RD DE)	02	5 to 25 ppm	_

For quantitation of 5 to 25 ppb:



- (1) Prepare 3rd Diluted Extract
- (2) Repeat Test Procedure (steps 1, 2, 3) with 3rd Diluted Extract
- (3) Read Result