

Prosky/Lee + Matsutani

AOAC Method 985.29/991.43/2001.03

Heat-stable α -amylase
Conditions: 98-100°C, pH 8.2, 30 min

Protease
Conditions: 60°C, pH 7.5, 30 min

Amyloglucosidase
Conditions: 60°C, pH 4.5, 30 min

1. Enzyme Incubations

RINTDF

AOAC Method 2017.16

Pancreatic α -amylase
Amyloglucosidase
Conditions: 37°C, pH 6.0, 4 h

Protease
Conditions: 60°C, pH 8.2, 30 min

2. Alcohol precipitation, solvent washing, drying, filtration (2 residues)

Protein Determination

Ash Determination

3. Ethanolic Filtrate Concentrate

Desalt in column
(HPLC - TOSOH TSK)

3. Ethanolic Filtrate Concentrate

In-line desalting
(HPLC - TOSOH TSK)

SDFS (NDO)

"TDF" (HMWDF)
as defined by
Prosky/Lee method

HMWDF as defined by
RINTDF method
(correct RS measurement)

SDFS (NDO)

TDF as defined by Matsutani method

TDF as defined by RINTDF method