

CLASSIFICATION OF FOOD PROPERTIES

Lecture 01

PFE-201

By:

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Physical and Physico-chemical Properties

- A. Mechanical properties
 - Acoustic properties
 - Mass-volume-area-related properties
 - Morphometric properties
 - Rheological properties
 - Surface properties
- B. Thermal Properties
- C. Thermodynamic properties
- D. Mass transfer properties
- E. Electromagnetic properties
- F. Physico-chemical constants

Kinetic Properties

- A. Quality kinetic constants
- B. Microbial growth, decline and death kinetic constants

Sensory Properties

- A. Tactile properties - touch
- B. Textural properties
- C. Color and appearance
- D. Taste
- E. Odor
- F. Sound

Health Properties

- A. Positive health properties
 - Nutritional composition
 - Medical properties
 - Functional properties
- B. Negative health properties
 - Toxic at any concentration
 - Toxic after critical concentration level
 - Excessive or unbalanced intake