



FOOD SAFETY







pH Range of Selected Bakery Products (Cauvain et al., 1999)

High Acid

Sourdough bread 4.2–4.6 Crumpets 6–8

Apple pie 4.2

Low Acid

White bread 5.7

Whole wheat bread 5.6

Chocolate nut bread 6.2-

6.6

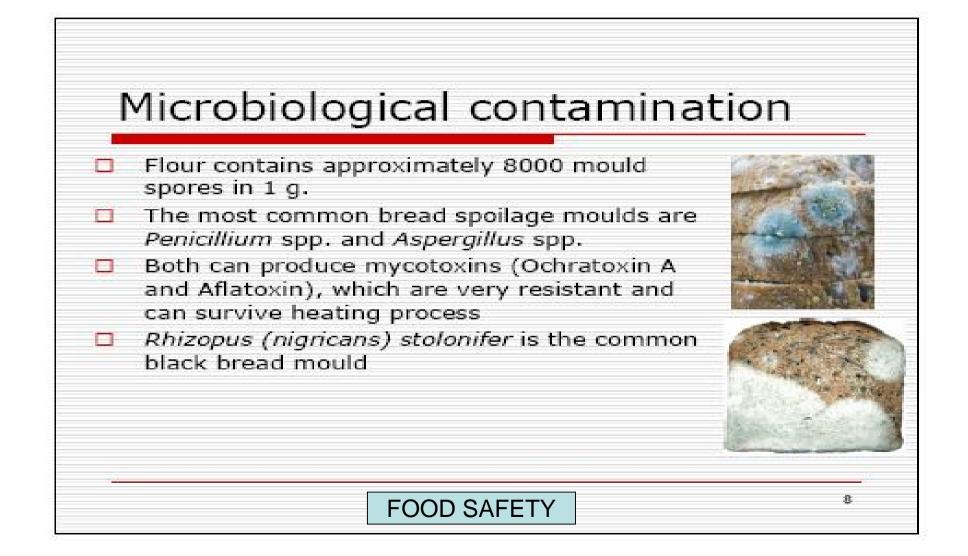
Non-Acid

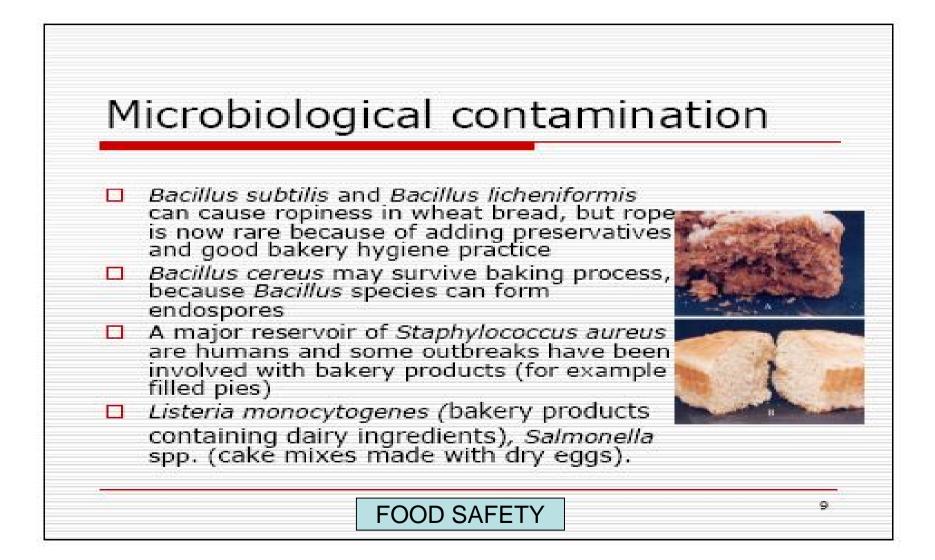
Crumpets 6–8 Banana nut bread 7.2–7.9

6

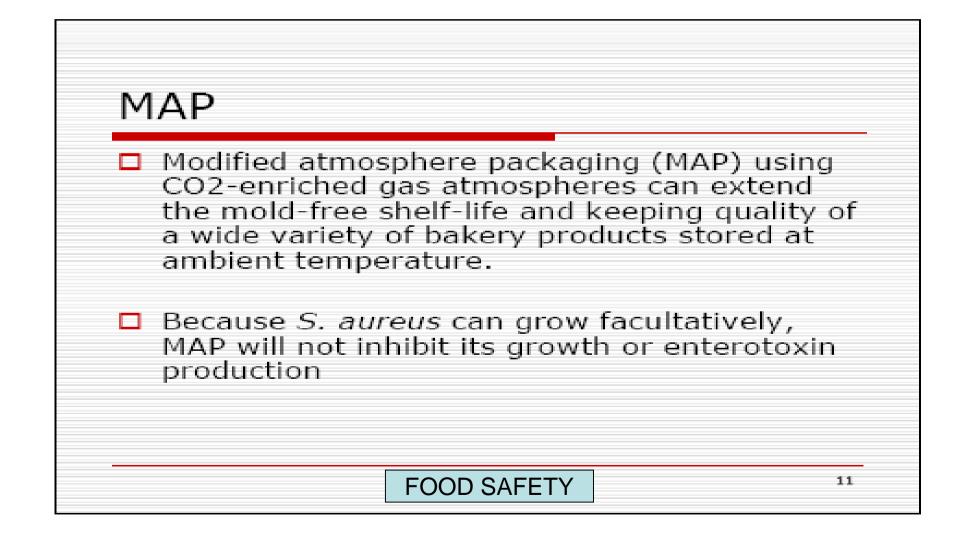
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_	Low Moisture Content	High Moisture Content
	Cookies 0.2–0.3 Crackers 0.2–0.3 Intermediate Moisture Content Cake type doughnuts 0.85–0.87 Chocolate-coated doughnuts 0.82–0.83 Danish pastries 0.82– 0.83 Cream-filled cake 0.78– 0.81 Soft cookies 0.5–0.78	Bread 0.96-0.98 Pita bread 0.9 Yeast-raised doughnuts 0.96-0.98 Fruit pies 0.95-0.98 Carrot cake 0.94-0.96 Custard cake 0.92-0.94 Cheesecake 0.91-0.95 Butter cake 0.9 Pizza crust 0.94-0.95 Pizza 0.99









Raw materials

- Quality and safety of baking ingredients flour, yeast, other ingredients
- Cold-chain for fast-spoiling ingredients (transport)
- Visual control (broken and dirty package, shelf life)
- Controlling the temperature of fast-spoiling ingredients
- Quality sheets and certificates
- Safe handling and storing
- FIFO (First in, first out) principle



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