Chapter 1 Administration

1.1 Scope.
1.2 Purpose.
1.3 Application.
1.4 Retroactivity.
1.5 Equivalency.

Chapter 2 Referenced Publications

2.1 General.
2.2 NFPA Publications.
2.3 Other Publications.
2.4 References for Extracts in Mandatory Sections.

Chapter 3 Definitions

3.1 Definitions.
3.2 NFPA Official Definitions.
3.3 General Definitions.

Chapter 4 Laboratory Unit Hazard Classification

4.1 General.
4.2 Laboratory Unit Fire Hazard Classification.

Chapter 5 Laboratory Unit Design and Construction

5.1 Laboratory Unit Enclosure.
5.2 Requirements for Life Safety.
5.3 Means of Access to an Exit.
5.4 Furniture, Casework, and Equipment.
5.5 Electrical Installation.

Chapter 6 Fire Protection

6.1 Automatic Fire Extinguishing Systems.
6.2 Standpipe and Hose Systems.
6.3 Portable Fire Extinguishers.
6.4 Fire Alarm Systems.
6.5 Fire Prevention.
6.6 Fire Retardant Flame-Resistant Clothing.

Chapter 7 Laboratory Ventilating Systems and Hood Requirements

7.1 General.
7.2 Basic Requirements.
7.3 Supply Systems.
7.4 Exhaust Air Discharge.
7.5 Duct Construction for Hoods and Local Exhaust Systems.
7.6 Duct Velocities.
7.7 Exhausters (Fans), Controls, Velocities, and Discharge.
7.8 Chemical Fume Hood Construction Requirements.
Chapter 8 Chemical Storage, Handling, and Waste Disposal

8.1 General.
8.2 Ordering Procedures.
8.3 Handling and Storage.
8.4 Waste Handling and Disposal.

Chapter 9 Flammable and Combustible Liquids

9.1 Quantity Limitations.
9.2 Supply Piping.
9.3 Liquid Dispensing.
9.4 Pressurized Liquid Dispensing Containers (PLDC).
9.5 Equipment.

Chapter 10 Compressed and Liquefied Gases

10.1 Compressed and Liquefied Gases in Cylinders.
10.2 Storage and Piping Systems.
10.3 Outdoor Installation of Compressed Gas Cylinders for Servicing Laboratory Work Areas (Located Outside of Laboratory Work Areas).
10.4 Cryogenic Fluids.

Chapter 11 Laboratory Operations and Apparatus

11.1 General.
11.2 Operations.
11.3 Apparatus.

Chapter 12 Educational and Instructional Laboratory Operations

12.1 General.
12.2 Instructor Responsibilities.
12.3 Chemical Storage and Handling.
12.4 Other Requirements.

Chapter 13 Hazard Identification

13.1 General.
13.2 Identification of Entrances.
13.3 Exhaust Systems.
13.4 Labeling of Containers.
13.5 Identification Systems.

Annex A Explanatory Material
Annex B Supplementary Definitions
Annex C Information on Explosion Hazards and Protection
Annex D Supplementary Information on the Concept of the Laboratory Unit