

<b>Contents</b>	<b>Page</b>
1 Scope .....	1
2 Definitions.....	1
3 Classification .....	1
3.1 Quality verification levels (grades).....	1
3.2 Types.....	1
3.3 Quality tests.....	1
4 Quality verification systems.....	3
4.1 Production qualification tests.....	3
4.2 Analytical requirements of the production qualification tests.....	3
4.3 Lot acceptance tests.....	3
5 Sampling .....	4
5.1 Sample size.....	4
5.2 Gaseous samples.....	4
5.3 Liquid samples.....	4
6 Analytical procedures .....	4
6.1 Parameters of analysis.....	4
6.2 Percent oxygen.....	5
6.3 Acetylene content.....	5
6.4 Carbon dioxide content.....	6
6.5 Carbon monoxide content .....	6
6.6 Ethane and other hydrocarbons (as ethane) content .....	6
6.7 Ethylene content.....	7
6.8 Halogenated refrigerant or solvent content .....	7
6.9 Methane content.....	7
6.10 Nitrogen content.....	7
6.11 Nitrous oxide content.....	7
6.12 Odor.....	7
6.13 Other components.....	8
6.14 Permanent particulates of Type II.....	8
6.15 Total hydrocarbon content.....	8
6.16 U.S. Pharmacopeia tests.....	8
6.17 Water content .....	8
7 Containers .....	11
7.1 Oxygen containers.....	11
7.2 Container preparation.....	11
7.3 Oxygen (USP) .....	11
7.4 Valves on oxygen containers.....	12
8 References .....	12
 <b>Tables</b>	
Table 1—Directory of limiting characteristics/quality verification levels (QVL).....	2
Table 2—Typical uses.....	2
Table 3—Moisture conversion data [9] .....	9