ISO 16726:2018-05 (E)

Space systems - Human-life activity support systems and equipment integration in space flight - Techno-medical requirements for space vehicle human habitation environments - Requirements for the air quality affected by harmful chemical contaminants

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 3

5 Application of this document in space programs 3
5.1 General 3
5.2 This document applicability 3
5.3 Specific program requirements 3
5.4 Monitoring of the flight program compliance to this document 3
5.5 Verification of program requirements 3

6 Air quality control according to contaminants 3
6.1 General 3
6.2 Substance estimation by toxicological group 6
6.3 Evaluation of toxic contaminants 6
6.4 Requirements for non-metallic materials and their selection for use in manned modules.
6 7 Air quality control according for carbon dioxide 7

8 Air quality control during ground processing for MSC and habitable modules 7

9 Air quality control in emergency situations (caused by emission of large amounts of pollutants) 7

Annex A (normative) Daily rates of human excreted harmful gaseous contaminants 9

Bibliography 10