ISO 9455-6:2022-12 (E)

Soft soldering fluxes - Test methods - Part 6: Determination and detection of halide (excluding fluoride) content

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Method A: Potentiometric method (Reference method) 1
4.1 Principle 1
4.2 Reagents 2
4.3 Apparatus 2
4.4 Procedure 2
4.5 Calculation of results 3

5 Method B: Titration method for halide (excluding fluoride) content of water-soluble fluxes 3
5.1 Principle 3
5.2 Reagents 4
5.3 Apparatus 4
5.4 Procedure 4
5.5 Standardization of the ammonium thiocyanate solution (5.2.2) 5
5.6 Calculation of results 5

6 Method C: Titration method for the determination of halide (excluding fluoride) content of water-soluble fluxes containing phosphates 5
6.1 Principle 5
6.2 Reagents 6
6.3 Apparatus 6
6.4 Procedure 6
6.5 Standardization of the ammonium thiocyanate solution (6.2.2) 7
6.6 Calculation of results 7

7 Method D: Qualitative test for the presence of ionic halides in flux 7
7.1 Principle 7
7.2 Reagents 7
7.3 Apparatus 8
7.4 Procedure 8
7.4.1 Preparation of flux test solution 8
7.4.2 Test procedure 9

8 Precision 9
8.1 General 9
8.2 Method A 10
8.3 Method B 10
8.4 Method C 10

9 Test report 10

Annex A (normative) Method for standardizing the silver nitrate solution 12

Bibliography 15