# ISO 9455-15:2017-08 (E)

## Soft soldering fluxes - Test methods - Part 15: Copper corrosion test

## Contents

Page


Foreword ..... iv

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definitions ..... 1

4 Principle ..... 1

5 Reagents and materials ..... 1

6 Apparatus ..... 2

7 Preparation of tests pieces ..... 2

8 Procedure ..... 3
8.1 General ..... 3
8.2 Fluxing the test pieces ..... 4
8.2.1 For solid, paste and liquid flux samples ..... 4
8.2.2 For flux-cored solder samples ..... 4
8.2.3 For solder paste samples ..... 4
8.3 Heating the test pieces ..... 4
8.4 Conditioning the test pieces ..... 5
8.5 Examination of the test pieces ..... 5
8.6 Assessment of corrosion ..... 5
8.6.1 General ..... 5
8.6.2 Examination after fluxing and melting ..... 6
8.6.3 Examination after conditioning ..... 6

9 Expression of results ..... 6

10 Test report ..... 6

Annex A (informative) Examples of varying degrees of corrosion resulting from the copper corrosion test ..... 7

Bibliography ..... 12