DIN EN ISO 4499-4:2016-10 (E)

Hardmetals - Metallographic determination of microstructure - Part 4: Characterisation of porosity, carbon defects and eta-phase content (ISO 4499-4:2016)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Symbols and Units ... **6**

5 Principle ... **7**

6 Apparatus ... **7**

7 Calibration of measurement apparatus ... **7**

8 Preparation of test samples ... **7**
8.1 Methods of preparation ... 7
8.2 Characterisation of porosity and carbon (graphite) defects ... 8
8.3 Characterisation of eta-phase ... 8

9 Procedure ... **8**
9.1 General ... 8
9.2 Determination of porosity ... 8
9.3 Determination of carbon defects ... 9
9.4 Determination of the η-phase (eta-phase) ... 12

10 Uncertainty of measurement ... **14**

11 Test report ... **14**

Bibliography ... **15**