ISO 18490:2026-03 (E)

Non-destructive testing - Evaluation of vision acuity of NDT personnel

Contents

Page

Foreword iv

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Chart print quality and marking 2

5 Health and safety requirements 2

6 Personnel administering the test 2

7 Near and Far Vision Test charts 3

8 Test procedure 3

8.1 General 3

8.2 Eye to chart distance 3

8.3 Vision Correction 3

8.4 Tests 4

8.4.1 General 4

8.4.2 Near and Far Guidance 4

9 Acceptance levels 5

Annex A (informative) **Radner Chart (Not to scale)** 6

Annex B (informative) **Snellen Chart (Not to scale)** 7

Annex C (informative) **Landolt Chart (Not to scale)** 8

Annex D (informative) **Ishihara Chart (Not to Scale)** 9

Annex E (informative) **Sample Colour Trade Test Exam** 10

Annex F (informative) **Corresponding Reading Acuity Notations for Test Distances of 40 cm (16 inches) and 32 cm (12.5 inches)** 13

Annex G (informative) **Grey Scale Perception Testing** 14

Annex H (informative) **Low Contrast Visual Acuity** 15

Annex I (informative) **Verification of Trained Professional** 16

Bibliography 18