

ISO 1247-1:2021 (E)

Aluminium pigments for paints — Part 1: General aluminium pigments

Contents

| | |
|--------|---|
| | Foreword |
| | Introduction |
| 1 | Scope |
| 2 | Normative references |
| 3 | Terms and definitions |
| 4 | Description |
| 5 | Classification |
| 6 | Requirements and test methods |
| 7 | Sampling |
| 8 | Determination of non-volatile-matter content |
| 8.1 | Apparatus |
| 8.2 | Procedure |
| 8.2.1 | Number of determinations |
| 8.2.2 | Test portion |
| 8.2.3 | Determination |
| 8.3 | Expression of results |
| 9 | Determination of matter soluble in organic solvents |
| 10 | Comparison of appearance |
| 10.1 | Test portion |
| 10.2 | Assessment |
| 11 | Determination of residue on sieve |
| 11.1 | Reagent |
| 11.2 | Apparatus |
| 11.3 | Procedure |
| 11.3.1 | Test portion |
| 11.3.2 | Determination |
| 11.4 | Expression of results |
| 12 | Determination of water-covering capacity |
| 12.1 | Principle |
| 12.2 | Reagents |
| 12.3 | Apparatus |
| 12.4 | Pre-treatment of sample |
| 12.5 | Preparation of trough |
| 12.6 | Procedure |
| 12.6.1 | Test portion |
| 12.6.2 | Determination |
| 12.7 | Expression of results |
| 12.8 | Precision |
| 12.8.1 | Repeatability |
| 12.8.2 | Reproducibility |

- 13** **Determination of leafing power**
 - 13.1** **Reagents**
 - 13.2** **Apparatus**
 - 13.3** **Procedure**
 - 13.3.1** **Test portion**
 - 13.3.2** **Determination**
 - 13.4** **Expression of results**
 - 13.5** **Precision**
 - 13.5.1** **Repeatability**
 - 13.5.2** **Reproducibility**

- 14** **Determination of water content**
 - 14.1** **General**
 - 14.2** **Electrometric titration method**
 - 14.3** **Visual titration method**
 - 14.4** **Expression of results**

- 15** **Determination of lead (spectrophotometric method)**
 - 15.1** **Reagents**
 - 15.2** **Apparatus**
 - 15.3** **Procedure**
 - 15.3.1** **Test portion**
 - 15.3.2** **Blank test**
 - 15.3.3** **Determination**

- 16** **Determination of hiding power**
 - 16.1** **Apparatus and materials**
 - 16.2** **Procedure**

- 17** **Determination of metallic impurities with flame atomic absorption spectrometric method**
 - 17.1** **Determination range**
 - 17.2** **Principle**
 - 17.3** **Reagent**
 - 17.4** **Apparatus**
 - 17.5** **Procedure**
 - 17.5.1** **Test portion**
 - 17.5.2** **Blank experiment**
 - 17.5.3** **Preparation of the test sample**
 - 17.5.4** **Treatment of the different elements in the sample**
 - 17.5.5** **Spectrometric measurement**
 - 17.5.6** **Expression of results**

- 18** **Test report**