DIN EN ISO 4619:2011-02 (E)

Driers for paints and varnishes (ISO 4619:1998)

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Definition 5

4 Descriptions 5
4.1 Solid driers 5
4.2 Liquid driers 5
4.3 Metals used 5
4.4 Acids used 5

5 Requirements and test methods 5

6 Sampling 5

7 Methods of test for solid driers 6
7.1 Appearance and consistency 6
7.2 Colour 6
7.3 Solubility (miscibility) in solvents, raw linseed oil or other drying media 7
7.4 Stability of solution 7
7.5 Suspended solid matter 7
7.6 Volatile matter 7
7.7 Acidity or basicity 7

8 Methods of test for liquid driers 10
8.1 Appearance 10
8.2 Colour 10
8.3 Solubility (miscibility) in solvents, raw linseed oil or other drying media 10
8.4 Stability of solution 10
8.5 Viscosity 11

9 Methods for determination of metal content of driers containing only one metal 11
9.1 Cobalt (EDTA titrimetric method) 11
9.2 Manganese (EDTA titrimetric method) 12
9.3 Lead (EDTA titrimetric method) 13
9.4 Zinc (EDTA titrimetric method) 14
9.5 Calcium (EDTA titrimetric method) 15
9.6 Iron (iodometric method) 16
9.7 Zirconium (EDTA titrimetric method) 17
9.8 Barium 18

10 Methods for determination of metal contents of mixed driers 20

11 Test report 20