

DIN EN 15458:2022-05 (E)

Paints and varnishes - Laboratory method for testing the efficacy of film preservatives in a coating against algae

| Contents | | Page |
|-------------------------|---|-------------|
| European foreword | | 3 |
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 5 |
| 4 | Principle | 6 |
| 5 | Apparatus and materials | 6 |
| 6 | Microorganisms | 7 |
| 7 | Sampling and preparation of test samples and of test specimens | 7 |
| 7.1 | Sampling | 7 |
| 7.2 | Preparation of test samples (see Annex A) | 7 |
| 7.3 | Conditioning of the test samples | 7 |
| 7.4 | Preparation and number of test specimens | 8 |
| 8 | Procedure | 8 |
| 8.1 | Preparation of Bold's Basal Medium | 8 |
| 8.2 | Preparation of the Bold's Basal Medium stock solutions | 8 |
| 8.3 | Preparation of the Petri dishes with culture medium | 9 |
| 8.4 | Preparation of stock cultures and sub-cultures | 9 |
| 8.4.1 | Stock cultures: | 9 |
| 8.4.2 | Sub-cultures: | 9 |
| 8.5 | Preparation of the algal suspension | 10 |
| 8.6 | Inoculation and incubation (see Annex A) | 10 |
| 8.7 | Assessment | 10 |
| 9 | Test report | 11 |
| Annex A (informative) | Laboratory method for testing the efficacy of film preservatives in a coating against algae | 12 |
| Bibliography | | 13 |