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Standard Specification for Copper Powder for Use in Antifouling Paints¹

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^{ε1} NOTE—Keywords were added editorially in May 1996.

1. Scope

1.1 This specification covers copper powder for use in antifouling paints.

2. Referenced Documents

2.1 ASTM Standards:

D 185 Test Methods for Coarse Particles in Pigments, Pastes, and Paints²

D 283 Test Methods for Chemical Analysis of Cuprous Oxide and Copper Pigments²

3. Composition

3.1 The pigment shall consist essentially of finely divided copper metal and shall conform to the following requirements:

Copper, min, %

99

Coarse particles, max, %

1.0

4. Sampling

4.1 Two samples shall be taken at random from different packages from each lot, batch, day's pack, or other unit of production in a shipment. When no markings distinguishing between units of production appear, samples shall be taken from different packages in the ratio of two samples for each 10 000 lb (5000 kg), except that for shipments of less than 10 000 lb two samples shall be taken. At the option of the purchaser, the samples may be tested separately or after blending in equal quantities the samples from the same production unit to form a composite sample.

5. Test Methods

5.1 Tests shall be conducted in accordance with the following ASTM test methods:

5.1.1 *Copper*—Test Methods D 283.

5.1.2 *Coarse Particles*—Test Methods D 185.

6. Keywords

6.1 antifouling paint; copper pigment; copper powder; cuprous oxide

¹ This specification is under the jurisdiction of ASTM Committee D-1 on Paint and Related Coatings, Materials, and Applications, and is the direct responsibility of Subcommittee D01.31 on Pigment Specifications.

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² *Annual Book of ASTM Standards*, Vol 06.03.

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