



# Designation: D 475 – 67 (Reapproved 1996)<sup>ε1</sup>

AMERICAN SOCIETY FOR TESTING AND MATERIALS  
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## Standard Specification for Pure Para Red Toner Pigment<sup>1</sup>

This standard is issued under the fixed designation D 475; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

<sup>ε1</sup> NOTE—Keywords were added editorially in May 1996.

### 1. Scope

1.1 This specification covers the red pigment commercially known as pure para red toner. It is available in two Types: Type I, light, and Type II, dark.

### 2. Referenced Documents

#### 2.1 ASTM Standards:

D 970 Test Methods for Para Red and Toluidine Red Pigments<sup>2</sup>

### 3. Composition and Properties

#### 3.1 Dry Pigment:

3.1.1 *Type I*—The pigment shall be in a soft dry form and shall consist of para red toner, light (1-(*p*-nitro-phenyl-azo)-2-naphthol) free of any substrate.

3.1.2 *Type II*—The pigment shall be in a soft dry form and shall consist of para red toner, light (1-(*p*-nitro-phenyl-azo)-2-naphthol) mixed with a small quantity of 1-(*p*-nitro-phenyl-azo)-2-naphthol-7-sulfonic acid free of any substrate.

3.2 The pigments shall conform to the following requirements:

	Type I	Type II
Ash, max, %	3.0	3.0

Moisture and other volatile matter, max, %	1.0	1.0
Coarse particles (total residue retained on a 45- $\mu$ m (No.325) sieve), max, %	1.5	1.5
Solubility in chloroform	complete	...
Resistance to acids	to pass test	to pass test
Resistance to alkalis	to pass test	equal to standard
Identity test	to pass test	to pass test

3.3 The mass color and character of the tint formed by mixture with a white pigment shall be the same as, and the strength not less than, that of a reference sample mutually agreed upon by the purchaser and the seller.

### 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 (5 000 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 Test Methods D 970.

### 6. Keywords

6.1 pigment; pure para red; red toner; toluidine red pigment; toner pigment

<sup>1</sup> 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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<sup>2</sup> *Annual Book of ASTM Standards*, Vol 06.03.

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