



## Standard Specification for Orange Shellac and Other Lacs<sup>1</sup>

This standard is issued under the fixed designation D 237; 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.

### 1. Scope

1.1 This specification covers three types and four grades of orange shellac and other lac, as follows:

1.1.1 *Type I*, orange shallac, grades A, B, C, and D,

1.1.2 *Type II*, button lac, and

1.1.3 *Type III*, garnet lac.

1.2 Stick-lac and seed-lac are not covered by this specification.

### 2. Referenced Documents

2.1 *ASTM Standards*:

D 29 Test Methods for Sampling and Testing Lac Resins<sup>2</sup>

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<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 D01.33 on Polymers and Resins.

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

### 3. Physical Properties

3.1 The material shall conform to the requirements prescribed in Table 1.

NOTE 1—Type II customarily occurs in the form of circular disks about 3 in. (76 mm) in diameter and  $\frac{1}{8}$  in. (3.2 mm) in thickness and is known to the trade as pure button lac. Type III is dark garnet in color and is known to the trade as pure garnet lac. Garnet lac also is manufactured in admixture with rosin and as a dewaxed lac, but these are not covered by this specification.

### 4. Test Methods

4.1 The material shall be sampled and the properties enumerated in this specification shall be determined in accordance with Test Methods D 29.

### 5. Keywords

5.1 lac; orange shellac; shellac

**TABLE 1 Requirements for Orange Shellac and Other Lacs**

	Type I				Type II	Type III
	Grade A	Grade B	Grade C	Grade D	...	...
Matter insoluble in specified hot solvents, max, %	1.00	1.25	1.50	3.00	1.00	0.50
Iodine number, max	15.0	15.0	15.0	15.0	15.0	18.0
Moisture, max, %	2.0	2.0	2.0	2.0	2.0	2.0
Wax, max, %	5.5	5.5	5.5	5.5	5.5	3.5
Orpiment, max, %	0.03	0.03	0.03	0.2	0.03	0.03
Matter soluble in water, max, %	0.5	0.5	0.5	0.5	0.5	0.5
Ash, max, %	1.0	1.0	1.0	1.0	0.5	0.5
Rosin	none	none	none	none	none	...
Color	when specified, the color shall be no darker than that of a sample agreed upon between the seller and the purchaser <sup>A</sup>					

<sup>A</sup>Attention is called to the fact that the seller and the purchaser must agree upon one of the two methods for determining color appearing in Test Methods D 29.

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