

**Certificate of Analysis**

**Product: FD&C Red 40**  
**Item Number: C3766**  
**Grade: Lab**  
**Lot Number: 250321-A**  
**Manufacture Date: 08/10/2024**  
**Expiration Date: 08/09/2030**  
**Country of Origin: United States**

| <b>Tested Property</b>  | <b>Specification</b> | <b>Analysis</b> |
|---|----------------------|-----------------|
| Identification  | To Pass Test         | Passes          |
| Appearance  | Reddish-Brown Powder | Conforms        |
| Total Color   | Min 85.0%            | 92.02           |
| Arsenic (As)  | Max 3 ppm            | <1              |
| Lead (Pb)   | Max 10 ppm           | <2              |
| Disodium Salt 6,6'-Oxybis(2-Naphthalene-Sulfonic Acid)            | Max 1.0%             | 0.24            |
| Sum of Volatile Matter (Chlorides And Sulfates)                   | Max 14.0%            | 5.54            |
| Water-Insoluble Matter  | Max 0.2%             | 0.0             |
| Higher Sulfonated Subsidiary Colors                               | Max 1.0%             | <0.2            |
| Lower Sulfonated Subsidiary Colors                                | Max 1.0%             | <0.2            |
| Disodium Salt of 6-Hydroxy-5(2-Methoxy-5-Methyl-4-Sulfophenyl)Azo | To Pass Test         | Passes          |
| 8-(2-Methoxy-5-Methyl-4-Sulfophenoxy)-2-Naphthalenesulfonic Acid  | Max 1.0%             | <1.0            |
| Sodium Salt of 6-Hydroxy-2-Naphthalenesulfonic Acid               | Max 0.3%             | 0.12            |
| 4-Amino-5-Methoxy-O-Toluenesulfonic Acid                          | Max 0.2%             | 0.07            |

[FD&C Red 40](#)

Phone: 512-668-9918, Fax: 512-886-4008,  
 E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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Phone: 512-668-9918, Fax: 512-886-4008,  
E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

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