





Phase-Out of Petroleum-Based Synthetic Dyes

The [April 2025 announcement](#) also stated the U.S. FDA's intent to phase out all petroleum-based synthetic dyes from the U.S. food supply. Among other ongoing activities related to the federal government's Make America Healthy Again initiatives, the announcement states that the U.S. FDA will:

- Initiate the process to revoke the authorization of the synthetic dyes Citrus Red No. 2 and Orange B within the coming months.
- Work with industry to eliminate six remaining synthetic dyes from the food supply by the end of next year: FD&C Green No. 3, FD&C Red No. 40, FD&C Yellow No. 5, FD&C Yellow No. 6, FD&C Blue No. 1, and FD&C Blue No. 2.
- Authorize four new natural color additives in the coming weeks while also accelerating the review and approval of others. (See, for example, the May 9, 2025 [announcement](#).)

Key Deadlines

While the announcement does not specifically provide a deadline for manufacturers to act on the removal of these petroleum-based items from their products, the U.S. FDA indicated that timelines for doing so will be determined in the coming weeks and months.

Impact on Food and Drug Products

Although the U.S. FDA did not issue a specific rule or order mandating the removal of the above-referenced petroleum-based compounds, the Agency's announcement implies that the impact of their removal for manufacturers will be the same or similar to those in the January 15 Order on FD&C Red No. 3.

GS1 Standards and Industry Response

For users of GS1 Standards to understand the impact of the Order on FD&C Red Dye No. 3 or other petroleum-based synthetic dyes mentioned in the April 2025 announcement, it is important to refer to the [GTIN Management Standard](#) to determine whether their removal requires an impacted brand owner to change a Global Trade Item Number® (GTIN®).

Brand owners might decide, based on internal business reviews, to change the GTIN for products that used to contain FD&C Red No. 3 or petroleum-based dyes so consumers and trading partners can recognize the new formulation. For organizations looking to GS1 Standards to understand the impact of this change, GS1 US® is ready to collaborate.

GS1 offers products and solutions, such as two-dimensional (2D) barcodes, which can carry various attributes that may assist brand owners as they work to comply with U.S. FDA requirements.

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2D barcodes are changing the way
people eat, shop, and live, visit:**

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