***Salmonella* (Multiple Serotypes)/Moringa Leaf/Dec 2025 - CARA ID 1358**

On 12/23/2025, FDA CORE was notified by CDC of a *Salmonella* Typhimurium cluster (b)(5)) of 39 cases from 21 states. An epidemiologic signal identified a dietary supplement as the leading hypotheses and suspect vehicle. CORE conducted a traceback investigation on 14 cases who reported consumption of a multi-ingredient dietary supplement powder containing moringa leaf prior to illness onset and met the criteria for inclusion in the traceback investigation. The traceback investigation consisted of three legs: eight cases in the first leg for the dietary supplement powder, two cases in the second leg for the dietary supplement capsule containing moringa leaf only, and four cases in the third leg for the ultra-potent dietary supplement capsule of moringa leaf powder. Traceability records revealed convergence at the contract manufacturer for the first two products. The third leg revealed convergence at the importer of moringa powder used for all 3 legs. There were three CORE assignments and one foreign inspection assignment associated with this incident response. There were three traceback information and records collection assignments issued to the FDA Office of Inspections and Investigations (OII), Office of Human Food Inspectorate (OHFI) at (b)(4) on 1/20/2026, at Superfoods Inc. dba Live it Up on 1/16/2026, and at (b)(4) . on 1/30/2026. In addition, CORE included investigation requests to an ongoing inspection that OHFI East 2 (NWJ) were conducting at (b)(4) . During the inspection an FDA Form 483 was issued to the firm with 13 observations. The inspection at (b)(4) identified the supplier of the moringa leaf powder as (b)(4) located in (b)(4) . On 3/2/2026, the Division of Foreign Food Investigations and Global Operations initiated an inspection at the foreign firm and an FDA form 483 was issued with 5 observations. The second response period for this outbreak began with cases of salmonellosis associated with another moringa product, TNvitamins Ultra Potent Complete Green Superfood Moringa capsules by Total Nutrition, Inc. (Deer Park, New York). The firm uses a contract manufacturer, (b)(4) to manufacture the moringa product. CORE issued an assignment for a Full Scope Dietary Supplement inspection with traceback records and information collection at (b)(4) (beginning 6/1/2026). The supplier of the moringa powder to (b)(4) was (b)(4) This inspection was closed out on 6/22/2026, and an FDA 483 with 14 observations was issued. Additionally, (b)(6) (b)(7)(d) a second CORE assignment was issued at the (b)(4) location and an FDA form 483 with three observations was issued to the firm. There were several FDA product samples collected and 6 were positive for *Salmonella* spp. Of the state partner samples collected 7 were positive for *Salmonella* spp. Whole Genome Sequencing was conducted on all positive isolates, and four different strains of *Salmonella* were found. FDA also collected 10 duplicate samples for heavy metals analysis and Kratom testing. The samples were analyzed and found to be negative for both. This investigation resulted in three product recalls and additional recall expansions: On 1/15/2026, Superfoods Inc. dba Live it Up voluntarily recalled Live It Up

Super Greens dietary supplement powder, both the original and wild berry flavors with expiration dates from 08/2026 to 01/2028. On 1/28/2026, Art Monkey LLC dba Why Not Natural issued a press release for a voluntary recall of Why Not Natural Organic Moringa Capsules - Green Superfood (lot # A25G051 and expiration date 07/2028). On 5/26/2026, Total Nutrition, Inc. voluntarily recalled two brands of moringa capsules: TNvitamins Ultra Potent Complete Green Superfood moringa 10,000 mg (120 capsules) with expiration dates of 9/2027 and 2/2028 and Doctor's Pride Complete Green Superfood Ultra Potent moringa 10,000 mg (120 capsules) with expiration date of 9/2027. In addition, (b)(4) , was placed on increased screening and on Import Alert 99-43 and 99-19. On 6/24/2026, (b)(5) . Through traceback, laboratory findings and epidemiological information, moringa leaf powder was determined as the confirmed vehicle of the outbreak. At the close of this incident, this outbreak included 131 cases (Newport (3), Richmond (1), and Typhimurium (127) across 38 states with 36 hospitalizations and zero deaths reported.