

Heavy metals in pear fruit

Study was commissioned by Healthy Babies Bright Futures and Environmental Defense Fund.

Pears were purchased in 2021 at U.S. retailers. Analysis performed by Brooks Applied Labs, Bothell Washington, with testing of drained samples (fruit only, drained of syrup).

The qualifier "<" indicates that the concentration was below the method detection limit, while the symbol "*" indicates test results that are estimated, that fall between the limit of detection and the limit of quantification.

The qualifier "--" indicates that the analysis was not performed.

Sample number	Food type	Arsenic (total, ppb)	Lead (ppb)	Cadmium (ppb)	Mercury (total, ppb)	Purchase location
2108023-07	Pear - canned	4.3*	4.6	<1.3	<1.8	Meijer - Cincinnati, OH
2108023-08	Pear - canned	<2.3	4.1	<1.3	<1.8	Meijer - Cincinnati, OH
2108023-09	Pear - canned	<2.2	2.9*	<1.3	<1.7	Meijer - Cincinnati, OH
2108023-54	Pear - canned	2.9*	6.4	<1.1	<1.5	Food Lion - Holden Beach, NC
2108023-55	Pear - canned	<1.8	6.2	<1	<1.4	Food Lion - Holden Beach, NC
2108023-56	Pear - canned	<1.9	5.4	<1.1	<1.5	Food Lion - Holden Beach, NC
2108023-10	Pear - canned	<2.3	8.1	<1.3	<1.8	Meijer - Cincinnati, OH
2108023-11	Pear - canned	<2.2	4	<1.3	<1.7	Meijer - Cincinnati, OH
2108023-12	Pear - canned	2.3*	5	<1.1	<1.6	Meijer - Cincinnati, OH
2108023-22	Pear - canned	<2.2	4.6	<1.3	<1.7	Walmart - Cincinnati, OH
2108023-23	Pear - canned	3.6*	5.9	<1	<1.4	Walmart - Cincinnati, OH
2108023-24	Pear - canned	<2.2	6.2	<1.3	<1.7	Walmart - Cincinnati, OH
2108023-25	Pear - canned	<2	2.6*	<1.1	<1.6	Walmart - Cincinnati, OH
2108023-27	Pear - canned	<1.8	2.2*	<1	<1.4	Walmart - Cincinnati, OH
2108023-57	Pear - canned	<2.1	4.1	<1.2	<1.6	Food Lion - Holden Beach, NC
2108023-58	Pear - canned	<2	4.9	<1.1	<1.5	Food Lion - Holden Beach, NC
2108023-59	Pear - canned	<1.6	4.3	<0.9	<1.2	Food Lion - Holden Beach, NC
2108023-19	Pear - canned	<2.1	5.3	<1.2	<1.7	Walmart - Cincinnati, OH
2108023-20	Pear - canned	<1.8	4.9	<1	<1.4	Walmart - Cincinnati, OH
2108023-21	Pear - canned	<1.7	3.8	<1	<1.3	Walmart - Cincinnati, OH
2108023-60	Pear - plastic bowl	<2.1	<0.9	<1.2	<1.6	Food Lion - Holden Beach, NC
2108023-46	Pear - plastic bowl	<1.9	4.1	<1.1	<1.5	Kroger - Cincinnati, OH
2108023-49	Pear - canned	<2.2	4.8	<1.3	<1.7	Food Lion - Holden Beach, NC
2108023-50	Pear - canned	<2	7.1	<1.1	<1.6	Food Lion - Holden Beach, NC
2108023-51	Pear - canned	<1.8	3.2	<1	<1.4	Food Lion - Holden Beach, NC
2108023-52	Pear - canned	<1.9	3	<1.1	<1.5	Food Lion - Holden Beach, NC
2108023-53	Pear - canned	<2.4	4	<1.4	<1.9	Food Lion - Holden Beach, NC
2108023-31	Pear - canned	3.9*	5.7	<1.1	<1.5	Walmart - Cincinnati, OH
2108023-32	Pear - canned	<2.1	3.7	<1.2	<1.6	Walmart - Cincinnati, OH
2108023-33	Pear - canned	<1.9	5.1	<1.1	<1.5	Walmart - Cincinnati, OH
2108023-28	Pear - canned	<1.7	4.6	<1	<1.3	Walmart - Cincinnati, OH
2108023-29	Pear - canned	<2.1	4.1	<1.2	<1.7	Walmart - Cincinnati, OH
2108023-30	Pear - canned	<2.1	4.5	<1.2	<1.7	Walmart - Cincinnati, OH
2108023-47	Pear - plastic bowl	<2.4	1.4*	2.5*	<1.8	Kroger - Cincinnati, OH
2108023-40	Pear - canned	<1.9	24.4	2.8	<1.5	Kroger - Cincinnati, OH
2108023-41	Pear - canned	<1.9	30.6	1.6*	<1.5	Kroger - Cincinnati, OH
2108023-42	Pear - canned	<2.1	6.3	3.3	<1.7	Kroger - Cincinnati, OH
2108023-43	Pear - canned	<1.7	4.5	1.7*	<1.3	Kroger - Cincinnati, OH
2108023-44	Pear - canned	<1.7	5.6	1.9*	<1.3	Kroger - Cincinnati, OH
2108023-45	Pear - canned	<2	6.2	3.3	<1.6	Kroger - Cincinnati, OH
2108023-34	Pear - canned	<2.1	6.5	1.3*	<1.6	Kroger - Cincinnati, OH
2108023-35	Pear - canned	<1.8	11.9	3.3	<1.4	Kroger - Cincinnati, OH
2108023-36	Pear - canned	<1.9	6.4	2.7	<1.5	Kroger - Cincinnati, OH
2108023-04	Pear - canned	3.6*	4.9	<1.3	<1.8	Meijer - Cincinnati, OH
2108023-05	Pear - canned	<2.1	5.7	<1.2	<1.7	Meijer - Cincinnati, OH

2108023-06	Pear - canned	2.4*	5.3	<1.3	<1.8	Meijer - Cincinnati, OH
2108023-01	Pear - canned	2.4*	6.1	<1.2	<1.7	Meijer - Cincinnati, OH
2108023-02	Pear - canned	2.7*	6.5	<1	<1.4	Meijer - Cincinnati, OH
2108023-03	Pear - canned	2.7*	2.2*	<1.1	<1.6	Meijer - Cincinnati, OH
2108023-13	Pear - canned	2.6*	4.5	<1.2	<1.6	Meijer - Cincinnati, OH
2108023-14	Pear - canned	<2.1	5.1	<1.2	<1.7	Meijer - Cincinnati, OH
2108023-15	Pear - canned	2.9*	7	<1.2	<1.7	Meijer - Cincinnati, OH
2108023-48	Pear - plastic bowl	4*	2.1*	<1.3	<1.8	Kroger - Cincinnati, OH
2108023-37	Pear - canned	--	3.5	--	--	Kroger - Cincinnati, OH
2108023-38	Pear - canned	--	4.1	--	--	Kroger - Cincinnati, OH
2108023-39	Pear - canned	--	4.2	--	--	Kroger - Cincinnati, OH
2108023-16	Pear - canned	--	4.6	--	--	Aldi - Cincinnati, OH
2108023-17	Pear - canned	--	4.6	--	--	Aldi - Cincinnati, OH
2108023-18	Pear - canned	--	3.8	--	--	Aldi - Cincinnati, OH
2109425-02	Pear - canned	<2.2	24.5	1.3*	<1.7	Kroger - Cincinnati, OH
2109425-08	Pear - canned	<2.3	6.3	1.6*	<1.8	Kroger - Cincinnati, OH
2109425-10	Pear - canned	<2.1	10.8	<1.2	<1.7	Kroger - Cincinnati, OH
2109425-12	Pear - canned	<1.9	6.2	1.6*	<1.5	Kroger - Cincinnati, OH
2109425-04	Pear - canned	<1.9	29	2.2*	<1.5	Kroger - Cincinnati, OH
2109425-06	Pear - canned	<2.2	38.1	3.3	<1.7	Kroger - Cincinnati, OH
2109425-14	Pear - canned	<2.1	6.9	<1.2	<1.6	Kroger - Charlottesville, VA
2109425-22	Pear - canned	<2.2	9.9	1.8*	<1.7	Kroger - Charlottesville, VA
2109425-24	Pear - canned	<2.2	10.3	3.0	<1.7	Kroger - Charlottesville, VA
2109425-18	Pear - plastic bowl	<2.2	2.9	<1.2	<1.7	Giant - Wheaton, MD
2109425-20	Pear - plastic bowl	<2.2	1.8*	3.4	<1.8	Giant - Wheaton, MD