



Multijurisdictional Repository of Lead-Containing Products

Ashley Stacy-Boddapati, MPH, RN
NC CLPPP Nurse Consultant

Consumer Products Repository Reports

❑ Data report #1: NC DHHS

2,119 samples with “detectable lead” compiled from investigations conducted Jan-Dec 2024;
789 samples (37%) were at or above the 1 mg/kg or 1 mg/cm²

❑ Data report #2: NC DHHS/NYC DOH repository

1,021 samples with “detectable lead” compiled from investigations conducted Jul-Dec 2025;
382 (37%) samples were at or above 1 mg/kg or 1 mg/cm²

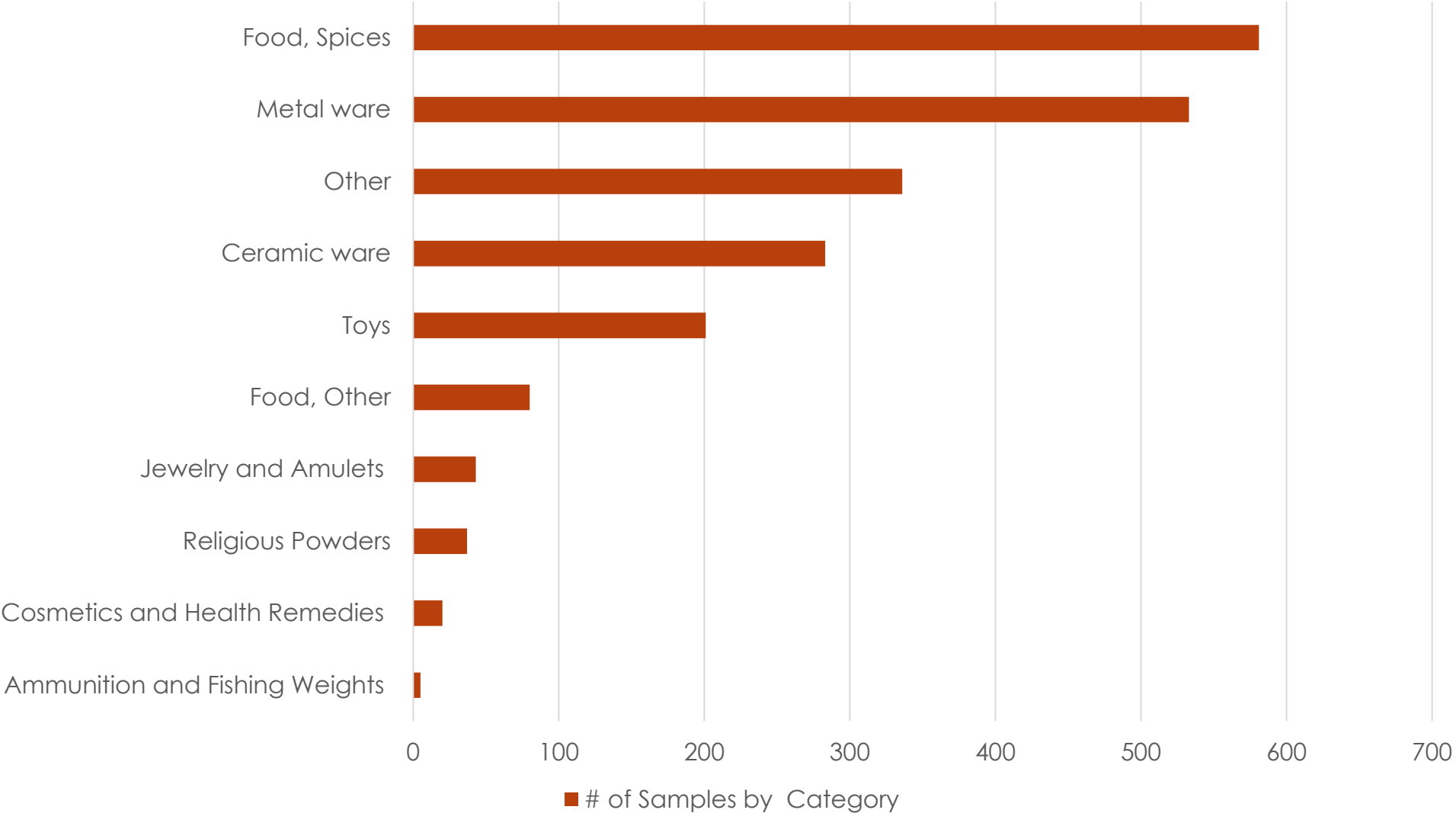
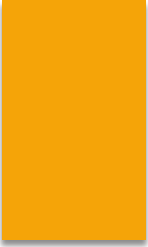
Link: <https://www.nyc.gov/site/doh/health/health-topics/lead-information-for-public-health-professionals.page>

Categories

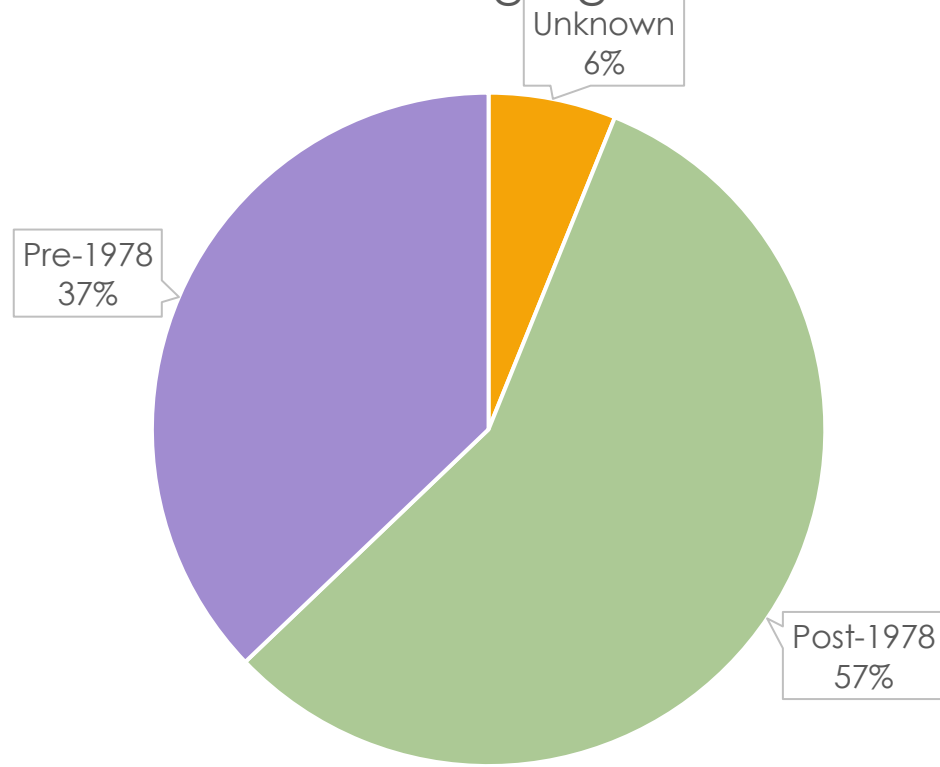
2,119 total samples

- ▶ Ammunition (2 samples)
- ▶ Fishing weights (3 samples)
- ▶ Ceramic ware (283 samples)
- ▶ Cosmetics (8 samples)
- ▶ Food, Spices (581 samples)
- ▶ Food, Other (80 samples)
- ▶ Health Remedies (12 samples)
- ▶ Jewelry or Amulets (43 samples)
- ▶ Metal ware (533 samples)
- ▶ Religious Powders (37 samples)
- ▶ Toys (201 samples)
- ▶ Other (336 samples)

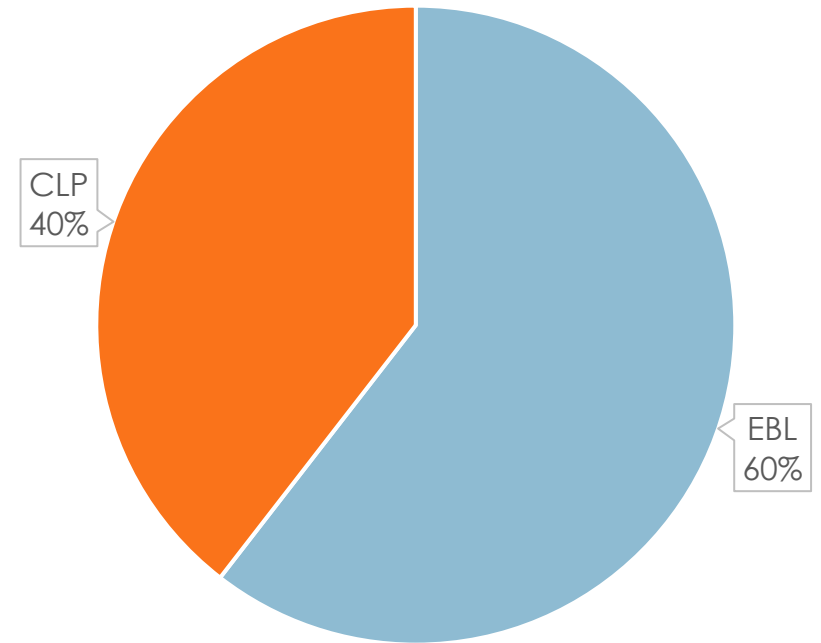
of Samples by Category

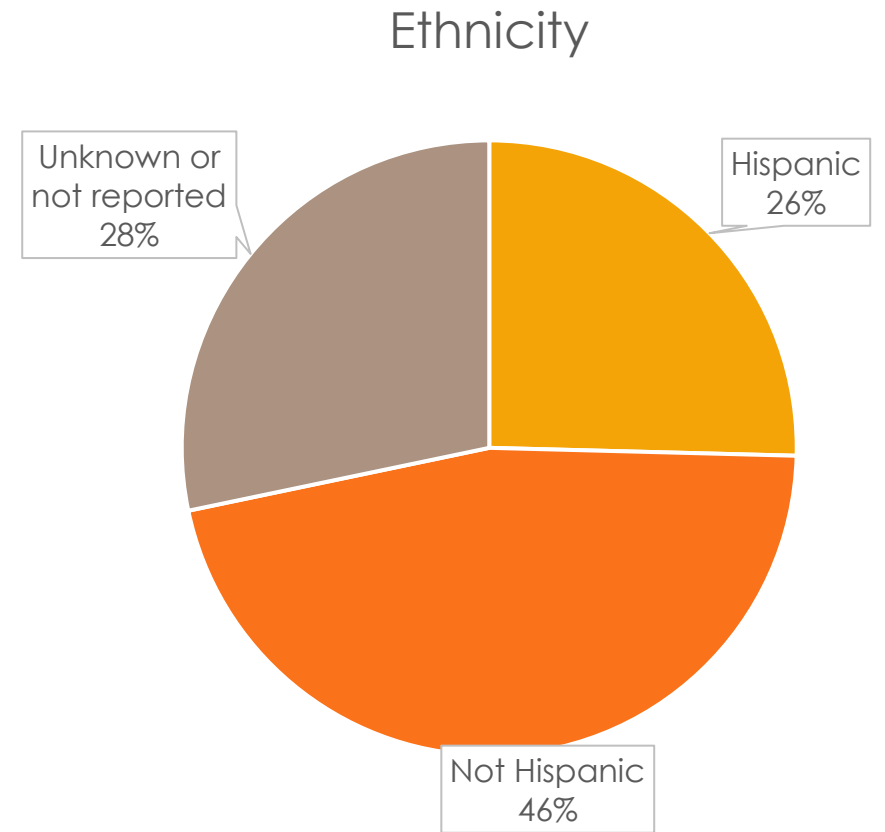
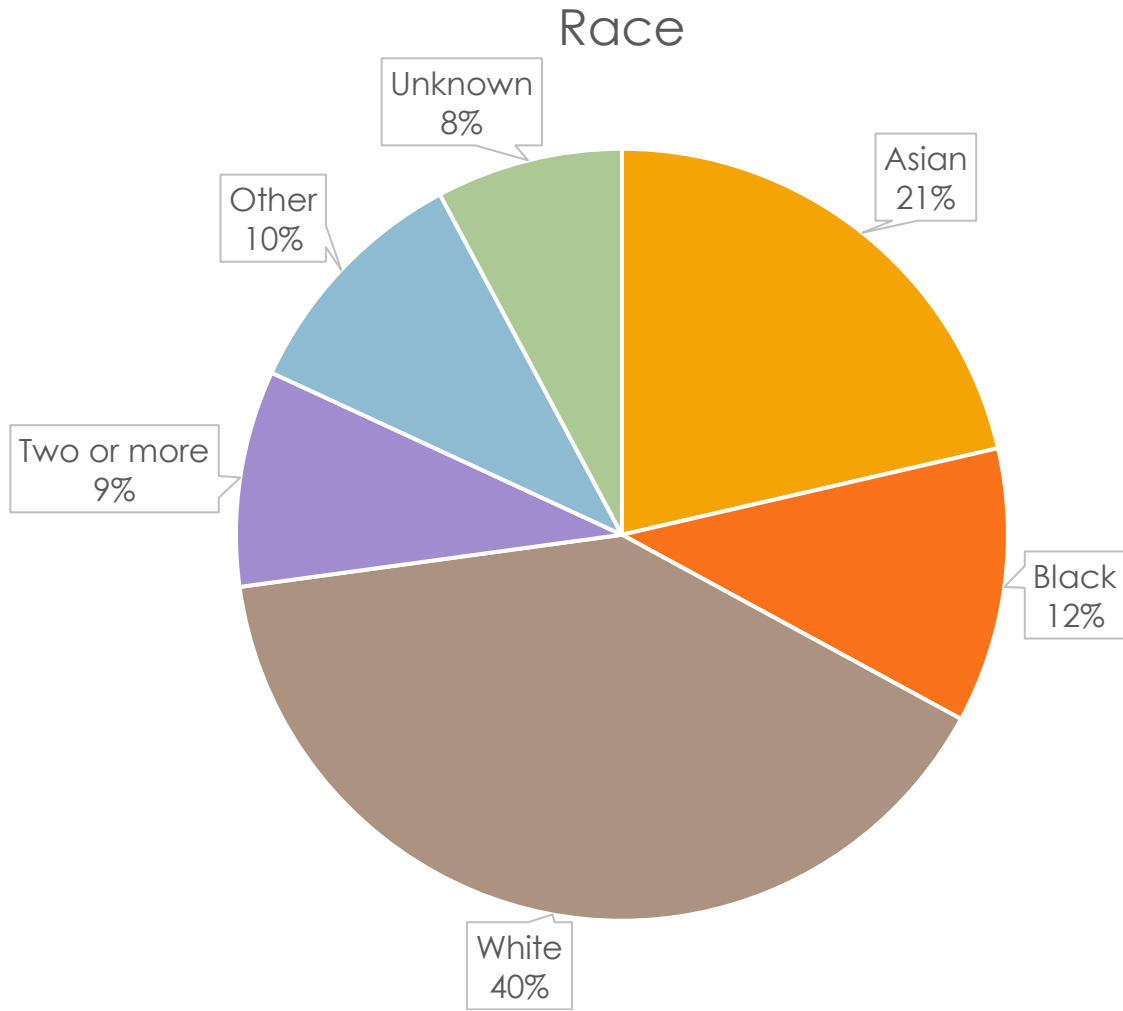


Housing Age



Case Type





Key Findings

37% of samples were considered "lead hazards"

86% of samples lacked brand information

Spice survey underutilized

Fishing Weight and Ammunition Samples

Sample	Lead Concentration	Purchase Country	Made in Country
Fishing Sinker	25.7 mg/cm ²	Unknown	Unknown
Fishing weight	15.4 mg/cm ²	Unknown	Unknown
Bullet	7.7 mg/cm ²	Unknown	Unknown
Fishing weight	6.4 mg/cm ²	Unknown	Unknown
Shell casing	0.1 mg/cm ²	Unknown	Unknown

NC hazard level: 1.0 mg/cm²

Ceramicware Samples (Top 10)

Sample	Lead Concentration
Lenox Bowl	340,462 ppm
Coffee mug	327,000 ppm
Bowl	144,611 ppm
Bowl	27,183 ppm
Plate	21,252 ppm
Cotton ball holder	14,000 ppm
Tray	9,512 ppm
Canister	8,578 ppm
Corelle Plate	7,328 ppm
Canister	7,062 ppm

Sample	Lead Concentration
Bowl	27 mg/cm ²
Vase	19 mg/cm ²
Lamp	18.1 mg/cm ²
Decorative pot	17.4 mg/cm ²
Bean pot	16.4 mg/cm ²
Franciscan Dinnerware Plate	15.2 mg/cm ²
Pitcher	14.6 mg/cm ²
Decorative bowl	14.2 mg/cm ²
Crockpot	13.9 mg/cm ²
Plate	12.4 mg/cm ²

NC hazard level: 1.0 mg/cm²

Cosmetics Samples

Sample	Lead Concentration	Purchase Country	Made in Country
Surma	100,000 mg/kg	Unknown	Unknown
Surma	66,000 mg/kg	Unknown	Pakistan
Sindoor paste	65,000 mg/kg	Unknown	Unknown
Kajal	64 mg/kg	Unknown	Unknown
Kajal	27 mg/kg	Unknown	Unknown
Liquid sindoor	12 mg/kg	Unknown	Unknown
Kajal	11 mg/kg	Unknown	Unknown
EyeTex kum kum paste	9.7 mg/kg	Unknown	India

NC reportable limit: 10 mg/kg

Spice Samples (Top 10)

Sample	Lead Concentration	Purchase Country	Made in Country
Turmeric	2,400 mg/kg	Unknown	Unknown
Turmeric powder	1,800 mg/kg	India	India
Turmeric	1,600 mg/kg	Unknown	Unknown
Turmeric	1,400 mg/kg	Unknown	Unknown
Coriander powder	780 mg/kg	Unknown	Unknown
Turmeric	730 mg/kg	India	India
Turmeric powder	360 mg/kg	India	India
Turmeric	230 mg/kg	Unknown	Unknown
Chili powder	200 mg/kg	India	India
Masala	110 mg/kg	Unknown	Unknown

NC reportable limit: 1 mg/kg

Spice Samples (continued)

Sample Type	Samples “detectable”	Samples > 1mg/kg
Cinnamon	61	17
Turmeric	66	14
Stone flower	8	7
Coriander	31	6
Garam Masala	30	5

Food Samples (Top 10)

Sample	Lead Concentration	Purchase Country	Made in Country
WanaBana puree	5.8 mg/kg	United States	Ecuador
Ground millet	5.6 mg/kg	Unknown	Unknown
Tea masala	5.4 mg/kg	Unknown	Unknown
Black beans (cooked)	4.9 mg/kg	Unknown	Unknown
WanaBana puree	2.3 mg/kg	United States	Ecuador
Baby food- rice powder/cereal	2 mg/kg	Unknown	Unknown
Chamomile	1.4 mg/kg	Unknown	Unknown
Chipile	1.4 mg/kg	Unknown	Unknown
Corn Flour	0.48 mg/kg	Unknown	Unknown
Dried mushrooms	0.48 mg/kg	Unknown	Unknown

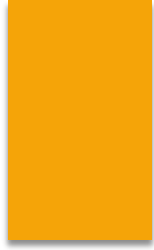
Reportable limits: 0.01- 0.04 mg/kg for baby foods and formulas

Health Remedy Samples (>1 mg/kg)

Sample	Lead Concentration	Purchase Country	Made in Country
Medicated foot cream	80,000 mg/kg	India	India
Saraswati medicine	2 mg/kg	Unknown	Unknown
Bhargava Homeopathic Medicine Ferroglob tablets	1.9 mg/kg	Unknown	India
JoySpring zeolite drops	1.7 mg/kg	United States	United States

NC reportable limit: 1mg/kg for “alternative medicines”

Jewelry and Amulet Samples (Top 10)



Sample	Lead Concentration
Necklace pendant	88,000 ppm
Metal bangle	10,241 ppm
Necklace pendant	3,243 ppm
Earrings	93 ppm
Bracelet charm	87 ppm
Plastic bangle	80 ppm
Bracelet	72 ppm
Ring	43 ppm
Plastic bangle	40 ppm
Necklace	35 ppm

Sample	Lead Concentration
Charm	44 mg/cm ²
Charm	18.8 mg/cm ²
Ceremonial beads	16.9 mg/cm ²
Bracelet	16.7 mg/cm ²
Bangles	8.3 mg/cm ²
Costume jewelry	7.2 mg/cm ²
Jewelry	4.8 mg/cm ²
Bracelet	3.9 mg/cm ²
Bracelet	1.1 mg/cm ²
Bangles	1.1 mg/cm ²

NC hazard level: 1.0 mg/cm²

Metalware Samples (Top 10)

Sample	Lead Concentration
Incense holder	42,000 ppm
Brass incense holder	41,000 ppm
Brass bell	34,000 ppm
Decorative figurine	24,000 ppm
Brass bell	20,900 ppm
Brass bell	20,000 ppm
Grinder	17,000 ppm
Brass decorative figurine	17,000 ppm
Brass bell	14,500 ppm
Brass decorative figurine	13,000 ppm

Sample	Lead Concentration
Decorative dish	71 mg/cm ²
Decorative figurine	60 mg/cm ²
Serving tray	57 mg/cm ²
Ornament	21.8 mg/cm ²
Brass decorative figurine	19.6 mg/cm ²
Ceremonial spoon	18.7 mg/cm ²
Brass decorative figurine	17 mg/cm ²
Brass camphor spoon	16.4 mg/cm ²
Decorative figurine	15.6 mg/cm ²
Tumbler (bottom)	15.6 mg/cm ²

NC hazard level: 1.0 mg/cm²

Religious Powders Samples (Top 10)

Sample	Lead Concentration	Made in Country	Purchase Country
Kum kum	520,000 mg/kg	Unknown	Unknown
Sindoor	140,000 mg/kg	Unknown	Unknown
Sindoor	120,000 mg/kg	Unknown	Unknown
Sindoor	110,000 mg/kg	Unknown	Unknown
Orange ceremonial powder	100,000 mg/kg	Unknown	Unknown
Sindoor	100,000 mg/kg	Unknown	Unknown
Kum kum	83,000 mg/kg	Unknown	Unknown
Sindoor	73,000 mg/kg	India	India
Sindoor	72,000 mg/kg	Unknown	Unknown
Orange ceremonial powder	69,000 mg/kg	Unknown	Unknown

NC reportable limit: 10 mg/kg

Toy Samples (Top 10)

Sample	Lead Concentration
Toy truck	224 ppm
Purse strap	180 ppm
Toy gun	80 ppm
Plastic food toy	58 ppm
Toy car	56 ppm
The Manhattan Toy Company teether	33 ppm
Maison plastic toy truck	23 ppm
Plastic toy truck	19 ppm
Metal toy bus	16 ppm
Metal toy truck	14 ppm

Sample	Lead Concentration
Telephone	1.4 mg/cm ²
Toy truck	1.3 mg/cm ²
Metal toy tractor	0.7 mg/cm ²
Plastic hippo	0.6 mg/cm ²
Plastic ball	0.5 mg/cm ²
Children's book	0.5 mg/cm ²
Plastic truck	0.4 mg/cm ²
Plastic truck	0.3 mg/cm ²
Plastic toy ball	0.3 mg/cm ²
Plastic Cocomelon toy	0.3 mg/cm ²

NC hazard level: 1.0 mg/cm²

Other Samples

Sample Type	Samples “detectable”	Samples > 1 mg/cm ²
Vinyl blinds	115	50
Clay items	52	41

NC hazard level: 1.0 mg/cm²

Brands, Other Consumer Products

Adams China, Alco Industries, Allied Designs,
Amazon Basics, Apple

B. toys, Bella, Better Homes and Gardens,
Bhargava Homeopathic Medicine, Breville

China Pearl, Club Cookware, CompX, Corelle,
Corning, Coventry Stoneware, Currier and Ives

DK Kids, Dover and York, Drolia Chemicals

Epoch Collection, EyeTex

Fisher Price, Franciscan Dinnerware

Geoff Tygret, Gibson Homewares, GreenPan

Hamilton Beach, Harvest Green Studio, Hasbro

Ilco, International Tableworks, IQ Accessories

Jay Import Co, Ji Stonecrest, JoySpring

Kwikset

Lakshmi, Lenox, Lincoware, LNT, Lovevery Inc

Mainstays, Maison, Manna Hydration, Mattel,
Metro Home, Mikasa, Mogra, MonBebe

Noritake Co

Pandora, Prestige, Preview by Paden, Project 62,
Pyrex

Reduce, Rival Naturalles, Royal Norfolk

SoHo loft, Stanley

T-Fal, THL, The Manhattan Toy Company, The
Pioneer Woman, Townhouse Collection

Vtech, Vitro Corning

Wedgewood, Willow Ware by Royal China,
Windsor Ware

YHY

Brands, Foods and Spices

Badia, El Club Mexicano, La Providencia, Ramdev, Supreme Tradition, WanaBana

Basak	Maggi, McCormick, MDH, Member's Mark, Morton, MTR Foods
Calidad del camp su mesa, Cerez Pazari	Nestle, Nutratea
El Guapo, Ella's Kitchen	Once Upon a Farm, Oxale!
Frontier Co-op	Pantai
GN +VIDA, Golden Elephant, Goya, Great Value	Shan, Silk Route Spice Co, Simply Nature, Stone Mill, Swad
Haldiram Snacks, Harris Teeter, Hasmukhrai & Co	Tadin Herb & Tea Co, Tata, The Spice of Life
Kirkland Signature, Knorr	Ustad Banne Nawab's
Lawry's, Laxmi	Wedderspoon

Food, Spices, Cosmetics, and Medicines Survey

NCLEAD Child ID: _____
 DATE: _____

COUNTY: _____
 INTERVIEWER: _____

Instructions for Interviewers: Record the following information about any food, spice, cosmetic or medicine/supplement products that you sample

Product Type (name of food, spice, cosmetic, or traditional medicine)	Brand Name (Manufacturer)	Lot number, net wt	Dates the product was consumed?	How acquired? (Check One)	Purchased in USA?	>If purchased in USA or online , write <i>Store Name, Address, City, State below</i> > If purchased outside of USA , write <i>country of purchase below</i>
				<input type="checkbox"/> Purchased <input type="checkbox"/> Provided by family/ friends	<input type="checkbox"/> Yes Date: _____ <input type="checkbox"/> No	

Non-Property Hazards NCLEAD Workflow

Child Event -> Event Data -> 05. Non-Property Hazards

Definite (Based on sample results from investigation)

Definite non-property lead sources (Based on sample results from investigation)

- Traditional medicine - Definite
- Hobby of household member - Definite
- Pottery, imported or improperly fired - Definite
- Patient occupation - Definite
- Candy - Definite
- Jewelry - Definite
- Toys - Definite
- Spices - Definite
- Cosmetics - Definite
- Occupation of household member - Definite
- Other - Definite

Thank you!

Please email ashley.stacy-boddapati@dhhs.nc.gov with questions or comments.