

A total of 145 traditional and nontraditional eyeliner products, were collected for analysis between 2022 and 2023 from four different sources: 1) community product lead testing events, 2) collaborations with the Afghan Health Initiative, 3) in-home investigations of lead-exposed children, and 4) products purchased online by the Hazardous Waste Management (Haz Waste) program that were recommended by the local community.

Samples were submitted for laboratory analysis. Laboratory analysis is the “gold standard” for product testing. Laboratory results can be used to compare lead concentrations to regulatory limits or standards.

Technical note:

- Regardless of the method used, the lead concentrations are provided in parts per million (ppm). One part per million is equivalent to 0.0001 percent. One percent is 10,000 ppm
- Every testing method has limitations in the smallest amount of lead that can be detected in a product. For laboratory analysis, the relevant detection limit – the limit of quantitation (or LOQ) - can also vary, depending on the chemical complexity of the sample, the amount of sample collected, how the sample is prepared, and how it is analyzed. Therefore, where results are presented with the "<" (less than) symbol, it means the lead concentration is some number less than the reported value (i.e., the LOD or LOQ). It is not possible to compare results presented as below the LOQ or LOD to lead limits.

Disclaimer:

Staff collect information as it appears on product labels or as reported to staff during community events and investigations. Factors such as language barriers and terminology variations may result in misspelling and mislabeling of some products. The amount of lead found in a consumer product can also vary greatly because of variations in product ingredients and manufacturing processes. Therefore, results are representative of only the products tested at that time. The data does not reflect any changes to the product that may have been made after the date of testing.

Abbreviations:

ppm, parts per million; PHSKC, Public Health Seattle and King County; Haz Waste, Hazardous Waste Management Program.

Note: If it was not possible to ascertain a characteristic, the product characteristic was denoted as “Unknown.”

Table 1. Products that were within the United States federal safety guideline for lead in cosmetics (10 ppm or below).

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Eyeshadow Palette- Gold Eyeshadow | BYS eyeshadow (Ablaze) | <0.2 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Eyeliner and lip liner | Unknown (davisEYE-01) | <5.2 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Himalaya kajal | Himalaya (Himalaya Drug Company) | <4.9 | Community product testing event | India | Unknown | 2023 | PHSKC, Lead and Toxics program |
| My Look eyeshadow palette for children | My Look (Unknown) | <0.2 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Destinations Eyeshadow Palette - Dark Brown | Sephora (Sephora) | <0.2 | Brand website | China | Unknown | 2023 | Haz Waste, Research team |
| Eyeshadow Palette- Red Eyeshadow | BYS eyeshadow (Ablaze) | <0.22 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| The crème shop X Hello Kitty Angel Baby 9 color palette | Hello Kitty Sanrio (Sanrio Co. Ltd) | 0.44 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Kohl Al SHERIFAIN Arabian Eyeliner Black Shadow Powder Makeup Kajal USA Shipping | Al Sherifain (h.m.p surmawalla) | 0.52 | Ebay | India | Yes | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|--|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Essence I love extreme volume mascara | Essence (Essence) | <8.5 | Community product testing event | Italy | Unknown | 2023 | PHSKC, Lead and Toxics program |
| nk makeup black eyeliner | Bold Eye Liner AA061 (nk Makeup) | <1.1 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Fashion Plus eyeliner | Fashion Plus (Fashion Plus) | 0.41 | Community product testing event | Unknown | Unknown | 2023 | PHSKC, Lead and Toxics program |
| color icon Kohl Eyeliner, Simma Brown wet n wild | wet n wild (Wet'n'Wild) | <0.18 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Ultimate Shadow Palette - Phoenix - Black | NYX Professional Makeup LLC (NYX Professional Makeup LLC) | 0.58 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Metallics 24 Shade Palette - Brown (Mic Drop) | Profusion Cosmetics (Profusion Cosmetics) | 0.58 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Metallics 24 Shade Palette - Dark Pink (Throne) | Profusion Cosmetics (Profusion Cosmetics) | 0.66 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Nefertari 100% natural handmade | Nefertari Natural Kohl (Handmade) | 2.8 | Brand website | Egypt | Yes | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Eye Trios - Tango - Purple | Emani (Emani) | 3.5 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| Eyeliners, CoverGirl liquid 325 | CoverGirl (Coty, Inc.) | <5.9 | Community product testing event | Germany | No | 2022 | PHSKC, Lead and Toxics program |
| Mascara Maybelline Total Temptation Waterproof | Maybelline (Unknown) | <4.0 | Community product testing event | Canada | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Mascara, Voluminous Noir Color: Black L'Oréal Paris | L'Oreal Paris (Unknown) | <3.7 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Eyeshadow color-red | Unknown (Hot Focus Inc) | <3.7 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Eye shadow palette (brown/bronze) | Unknown (Unknown) | <4 | Community product testing event | Unknown | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Eye shadow palette (red/maroon) | Unknown (Unknown) | <4.2 | Community product testing event | Unknown | Unknown | 2023 | PHSKC, Lead and Toxics program |
| AQ and Co. International Kajal | Hashmi (AQ and Co international) | <3.9 | Community product testing event | Pakistan | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|---|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Rani Kohl eyeliner | Rani (Rani) | <4.7 | Community product testing event | Saudi Arabia | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Eyeshadow makeup The Nubian 2 By Juvia's | Juvia's place (Unknown) | <4.3 | Community product testing event | China | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Wet'n wild Coloricon Kohl | Wet'n'wild (Markwins Beauty Products) | 0.2 | Community product testing event | Mexico | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Eye Trios - Tango - Black | Emani (Emani) | 4.3 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| The Ceremonial Secret Rani Kohl | The Ceremonial Secret Rani Kone (Rani Kone) | 0.16 | Community product testing event | Pakistan | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Eye Trios - Tango - Pink | Emani (Emani) | 4.3 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| Huda Beauty Electric Obsessions | Huda Beauty (Huda Beauty) | 4.5 | Community product testing event | China | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Afghani Rose Water, kajal powder | Unknown (Unknown) | 4.8 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Glam & Beauty - Glam Nudes - Black | Glam & Beauty (Best Brands Consumer Products LLC) | 4.8 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Ever Beauty black Eyeliner | Ever Beauty (Unknown) | <5.1 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| ELF Intense Ink Eyeliner | E.L.F (Unknown) | <6.4 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Buy 2 Get 1 Free AL ATHMAD Arabian Natural BLACK Surma Kohl Kajal Eyeliner | Al Athmad (Sana Co) | 5.1 | Ebay | Unknown | No | 2023 | Haz Waste, Research team |
| Glam & Beauty - Glam Nudes - Beige/Pink | Glam & Beauty (Best Brands Consumer Products LLC) | 5.2 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Powder | Unknown (Unknown) | 5.2 | Afghan Health Initiative | Unknown | No | 2023 | Haz Waste, Research team |
| Glam & Beauty - Glam Nudes - Dark Brown | Glam & Beauty (Best Brands Consumer Products LLC) | 6.7 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Kajal, Hashmi | Hashmi (Unknown) | <4.8 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|--|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Live green volumizing mascara | Live Green (Unknown) | <8.9 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Glam & Beauty - Glam Nudes - Pink | Glam & Beauty (Best Brands Consumer Products LLC) | 7.3 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Glam & Beauty - Glam Nudes - Light Brown | Glam & Beauty (Best Brands Consumer Products LLC) | 7.4 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Hashmi Kajal - Kohl eye make up tube A.Q. & Company Internat'l | Hashmi Kajal (A.Q. & Company Internat'l) | <4.8 | Community product testing event | Pakistan | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Oily surma | Homemade | 8.1 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Gogardi beewase | Unknown (Unknown) | 2.4 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Hashmi Kajal/Kabal | Hashmi (Unknown) | 1.9 | Afghan Health Initiative | Unknown | No | 2023 | Haz Waste, Research team |
| Oily surma | Homemade | 8.3 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--|--------------------------------|-----------------|--------------------------|--------------------------|----------------|--------------------------------|
| TheGlowing Skin Kajol/Kajal for Holistic eye cosmetics | TheGlowingSkin (Homemade) | 1.4 | Etsy | United States | Yes | 2023 | Haz Waste, Research team |
| TheGlowing Skin Kajol/Kajal for Holistic eye cosmetics | TheGlowingSkin (Homemade) | 0.94 | Etsy | United States | Yes | 2023 | Haz Waste, Research team |
| Clinique High Impact Custom Black Kajal | Clinique (Clinique) | 9.3 | Amazon | Germany | No | 2023 | Haz Waste, Research team |
| color icon Kohl Eyeliner, Simma Brown wet n wild | wet n wild (Wet'n'Wild) | 3.2 | Amazon | China | No | 2023 | Haz Waste, Research team |
| 2x Herbal Black Eyeliner Pencil kajal Kohl Traditional smoky eye surma orginal | Hashmi (AQ and Company) | 5.8 | Ebay | Pakistan | Yes | 2023 | Haz Waste, Research team |
| Killer Kajal | Too Faced (Estee Lauder Companies) | 1.6 | eBay | Germany | No | 2023 | Haz Waste, Research team |
| Soft kohl kajal eyeliner pencil | Rimmel (Coty) | 1.5 | eBay | Italy | No | 2023 | Haz Waste, Research team |
| Victoria Beckham Satin Kajal Liner | Victoria Beckham Beauty (GAR Laboratories) | 0.45 | Brand website | Germany | No | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--------------------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|----------------|--------------------------|
| Homemade surma | Homemade | 1.1 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Hashmi Kajal tube | Hashmi (A.Q. & Company) | 0.57 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Hashmi Kajal tube | Hashmi (A.Q. & Company) | 0.67 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Stone surma mixed with water | Unknown (Unknown) | 5 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Hashmi kajal tube | Hashmi (A.Q. & Company) | 2 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Hashmi kajal stick | Hashmi (A.Q. & Company) | 0.81 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Ink It! All-Day Pencil Eyeliner, Black | Covergirl (Covergirl) | <6.5 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| Luxury Intense Eyeliner, Black | KISS (KISS Professional New York) | <7.3 | Amazon | Germany | Unknown | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|----------------------------------|--------------------------------|-----------------|--------------------------|--------------------------|----------------|--------------------------------|
| 24HR Eyeliner, Waterproof, Very Black | Ruby Kisses (Ruby Kisses) | <4 | Amazon | Germany | Unknown | 2023 | Haz Waste, Research team |
| Le Liner Signature Smooth Glide Mechanical Eyeliner, Noir Cashmere | L'Oreal Paris (L'Oreal Paris) | <7.6 | Amazon | Germany | Unknown | 2023 | Haz Waste, Research team |
| coloricon Kohl Eyeliner, Simma Brown | wet n wild (Wet'n'Wild) | <3.8 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Liquid Eyeliner | Almay (Almay) | <3.8 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| Eyeliner Pencil, Black Brown | Almay (Almay) | <7.4 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| Infallible Pro-Last Waterproof Eye Pencil, Black | L'Oreal Paris (L'Oreal Paris) | <3.9 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| Unstoppable, Waterproof, Pewter Pencil | Maybelline (Maybelline) | <7.6 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| The Colossal Kajal, Super Black | Maybelline (Maybelline) | <7.7 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--|--------------------------------|-----------------|--------------------------|--------------------------|----------------|--------------------------------|
| Scandaleyes Waterproof Gel Pencil, Black | Rimmel (Rimmel) | <3.6 | Amazon | France | Unknown | 2023 | Haz Waste, Research team |
| Sky High Lash Sensational Mascara, Very Black, Waterproof | Maybelline (Shedoes) | <3.6 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |
| Lash Sensational Sky High Mascara, Very Black, Limited Edition | Maybelline (Maybelline) | <3.4 | Amazon | United States | Unknown | 2023 | Haz Waste, Research team |
| The Falsies, False Lash Effect Mascara, Waterproof, Very Black | Maybelline (Maybelline) | <3.4 | Etsy | United States | Unknown | 2023 | Haz Waste, Research team |
| Lotus Herbals Natural Kajal | Lotus Herbals Color Cosmetics (Lotus Herbals Color Cosmetics) | 4 | Amazon | India | Unknown | 2022 | Haz Waste, Research team |

Table 2. Products that were above the United States federal safety guideline for lead in cosmetics (above 10 ppm).

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Suspected kohl eyeliner | Unknown (Unknown) | 170000 | Community product testing event | Unknown | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Clinique black mascara | Clinique (Clinique) | 15 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Eyeliner pens. Purchased in USA | Unknown (Unknown) | 36 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Kohl eyeliner | Unknown (Unknown) | 810000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Mac Eyeshadow Color: Unwind | MAC (Unknown) | 30 | Community product testing event | EU | Unknown | 2022 | PHSKC, Lead and Toxics program |
| AL ATHMAD Arabian Natural Red/Brown | Al Athmad (Sana Co) | 32 | Ebay | Unknown | No | 2023 | Haz Waste, Research team |
| Sephora eyeshadow | Sephora (Unknown) | 94 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Al-Asmad Alharman Kouhl Zam Zam and Rose Water, red | Al Asmad (Unknown) | 110 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|---------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Stone powder surma | Unknown (Unknown) | 170 | Afghan Health Initiative | Unknown | No | 2023 | Haz Waste, Research team |
| AL ATHMAD Arabian Natural Black Surma Kohl Kajal Powder کحل | Al Athmad (Sana Co) | 280 | Ebay | Unknown | No | 2023 | Haz Waste, Research team |
| Cool Story orange | Cool Story (Unknown) | 690 | Community product testing event | Unknown | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Homemade surma | Homemade | 1500 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Cool Story yellow | Cool Story (Unknown) | 1800 | Community product testing event | Unknown | Unknown | 2023 | PHSKC, Lead and Toxics program |
| Bhimseni Mamira Surma Ayurvedic Eye Care kajal (1.5g) | Bhimseni (Bhimseni Karyalay) | 130000 | Ebay | India | Yes | 2023 | Haz Waste, Research team |
| Bhimseni Black Surma Ayurvedic Eye Care kajal (1.5g) | Bhimseni (Bhimseni Karyalay) | 140000 | Ebay | India | Yes | 2023 | Haz Waste, Research team |
| Powder surma | Unknown (Unknown) | 150000 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--------------------------------------|---------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Bhimseni Black Surma | Bhimseni (Bhimseni Karyalay) | 273000 | Amazon | India | Unknown | 2022 | Haz Waste, Research team |
| Natural Surma Stone - Kohl | Unknown (deal) | 296000 | Amazon | India | No | 2022 | Haz Waste, Research team |
| Black powder | Unknown (Unknown) | 370000 | Community product testing event | Saudi Arabia | No | 2023 | Haz Waste, Research team |
| Hashmi Surma Special | Hashmi (Unknown) | 390000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| 100% Natural JadiBooti Surma Kala | Regal (Unknown) | 393000 | Amazon | India | Yes | 2022 | Haz Waste, Research team |
| The Colossal Kajal, Super Black | Maybelline (Maybelline) | 11 | Amazon | Germany | No | 2023 | Haz Waste, Research team |
| Kohl powder | Kiss New York (Unknown) | 410000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Surma, kajal | Unknown (Unknown) | 450000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Kohl loose powder | Unknown (Unknown) | 470000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Stone powder surma | Unknown (Unknown) | 490000 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Surma | Unknown (Unknown) | 500000 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Natural black Arabic eyeliner, made in Pakistan | Hashmi (Unknown) | 520000 | Etsy | Pakistan | Yes | 2023 | Haz Waste, Research team |
| Natural black Arabic eyeliner, made in Pakistan | Hashmi (Unknown) | 580000 | Etsy | Pakistan | Yes | 2023 | Haz Waste, Research team |
| merkurio Khol gris de Sahara | Merkurio (Unknown) | 600000 | Etsy | Spain | Yes | 2023 | Haz Waste, Research team |
| Homemade surma | Homemade | 29 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Al-Asmad alharmain zam zam and rose water | Al-Asmad (Unknown) | 610000 | Afghan Health Initiative | Saudi Arabia | Yes | 2023 | Haz Waste, Research team |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--|
| Unknown | Unknown (Unknown) | 629000 | In-home investigation | Unknown | Unknown | 2022 | Haz Waste, Residential Services Program |
| Hashmi Kajal tube | Hashmi (A.Q. & Company) | 170 | Afghan Health Initiative | Pakistan | No | 2023 | Haz Waste, Research team |
| Unknown | Unknown (Unknown) | 630000 | In-home investigation | Ethiopia | Unknown | 2023 | Haz Waste, Residential Services Program |
| Kohl powder | Unknown (Unknown) | 630000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Surma stone powder | Unknown (Unknown) | 630000 | Afghan Health Initiative | Afghanistan | No | 2023 | Haz Waste, Research team |
| Stone powder surma | Unknown (Unknown) | 670000 | Afghan Health Initiative | Unknown | No | 2023 | Haz Waste, Research team |
| Moroccan Khol: Millennia-old Secret for an Intense and Alluring Gaze | Sahara Secrets (Homemade) | 720000 | Etsy | Italy; Morrocco | No | 2023 | Haz Waste, Research team |
| eye makeup - powder | Unknown (Unknown) | 750000 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|---|--------------------------------|---------------------------------------|---------------------------------------|--------------------------|----------------|--|
| Patanjali Herbal Kajal | Patanjali Ayurved Ltd (Patanjali Ayurved Ltd) | 30 | Amazon | India | Unknown | 2022 | Haz Waste, Research team |
| Shahnaz Husain Herbals Natural Kajal | Shahnaz Husain (Shahnaz Ayurvedics) | 120 | Amazon | India | Unknown | 2022 | Haz Waste, Research team |
| Unknown | Unknown (Unknown) | 782000 | In-home investigation | Ethiopia – Purchased in Seattle | Unknown | 2023 | Haz Waste, Residential Services Program |
| Rose Water and Zam Zam Kohl | Unknown (Al Asmad Alharmain) | 840000 | Community product testing event | Saudi Arabia | Unknown | 2022 | PHSKC, Lead and Toxics program |
| eye makeup - powder | Unknown (Unknown) | 874000 | In-home investigation | Unknown | Unknown | 2022 | Haz Waste, Residential Services Program |
| Organic Netra Premium Baby Kajal | Exportmall (Good Luck Kum Kum Works, Mumbai) | 20 | Amazon | India | Yes | 2022 | Haz Waste, Research team |

Table 3: Products above 10 ppm lead with a qualifier (<). These products were below the laboratory method's limit of quantification (LOQ) and should be viewed with caution, as their exact lead concentrations are not known. These values cannot be used for regulatory purposes.

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|---------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Eye and lip liner (brown) Amuse | Amuse (Amuse) | <23 | Community product testing event | China | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Amuse Eye and lip liner (black) | Amuse (Amuse) | <28.0 | Community product testing event | China | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Eyeliners and lip liner | Unknown (Unknown) | <12 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Surma, kajal | Hashmi (AQ and Company) | <13 | Community product testing event | Pakistan | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Wet and Wild brown eyeliner--kohl liner--Simma brown | wet n wild (Wet'n'Wild) | <14 | Community product testing event | China | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Lira- MQ1728 liner black | Unknown (Unknown) | <22 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Blue, Apple Kohl Liner | Apple Cosmetics Co (Unknown) | <17 | Community product testing event | United States | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|--|--------------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Brown eyeliner bought in Africa | Unknown (Unknown) | <26 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Hasham Maji Padamshi Eyeliner Mumtaz Delux Kajal | Hasham Maji Padamshi (Unknown) | <160 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Lakme eyeconic eyeliner | Lakme (Lakme) | <23 | Community product testing event | India | Unknown | 2022 | PHSKC, Lead and Toxics program |
| L'Oréal Paris eyeliner - stick Color: Noir Cashmere | Loreal Paris (Unknown) | <27 | Community product testing event | Germany | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Sky High Mascara Maybelline NY | Maybelline NY (Unknown) | <30 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| The falsies lashes mascara Maybelline NY | Maybelline NY (Unknown) | <13 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Lash sensational noir Maybelline NY | Maybelline (Unknown) | <16 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| eyeliner - stick Ruby Kisses | Ruby Kisses (Unknown) | <31.0 | Community product testing event | China | Unknown | 2022 | PHSKC, Lead and Toxics program |

| Product name | Brand name (Manufacturer) | Lead concentration (ppm) | Purchase source | Country of production | Label says lead-free? | Year tested | Program |
|---|------------------------------|--------------------------------|---------------------------------------|--------------------------|--------------------------|----------------|--------------------------------------|
| Eyliner - stick Professional kiss New York | Kiss (Unknown) | <47 | Community product testing event | Germany | Unknown | 2022 | PHSKC, Lead and Toxics program |
| CC Kohl stick | CC (Unknown) | <12 | Community product testing event | Unknown | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Pure envy eyeshadow palette Estee Lauder | Estee Lauder (Unknown) | <34 | Community product testing event | United States | Unknown | 2022 | PHSKC, Lead and Toxics program |
| Me Now Generation II eyebrow cake | Me Now (Unknown) | <40 | Community product testing event | China | Unknown | 2022 | PHSKC, Lead and Toxics program |
| High Impact Custom Black Kajal | Clinique (Clinique) | <11 | Amazon | Germany | Unknown | 2023 | Haz Waste, Research team |
| Instant Lift Brow Pencil, Brown | E.L.F (E.L.F) | <15 | Amazon | Taiwan, China | Unknown | 2023 | Haz Waste, Research team |
| No Budge Retractable Eyeliner, Water Resistant | E.L.F (E.L.F) | <13 | Amazon | China | Unknown | 2023 | Haz Waste, Research team |