Different warning declarations about lead content in cosmetics especially in lipstick [1-2], led us to determine lead content in cosmetics. We measure Pb in a few kinds of lipsticks and cleansing milks made in Iranian cosmetic manufacturers.

Lead determination in cosmetics or its raw materials have been done by using GF-AAS [3], DP-ASV [4], FI-AS-AAS [5] and modified electrodes [6]. We use DP-Polarography with HMDE electrode in presence of ammonium acetate as supporting electrolyte. Standard addition method has used. The sample was dissolved by HNO$_3$ acidic digestion. The mean of five duplicate measurements was less than 0.1 ppm, which is the lower limit of Pb in edible materials. Because there is not any exact law about lead content in cosmetics, in case of lipstick we depend on this limit.

References

[1] www.beauty-0n-line.com