



ANALYSIS FOR LEAD IN STUDY MATERIALS  
OF PRIMARY SCHOOL CHILDREN SUCH AS  
WATER COLOURS, CLAYS AND CRAYONS.

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SUMMARY

The estimation of lead in the samples of water colours, clays and crayons has been carried out using the dithizone procedure (5), the method adapted by the Sri Lanka Standards Committee for lead in water colours. The Sri Lanka Standard specifies not more than 250 mg/kg. of lead for water colours and no standards are prescribed for clays and crayons.

A total of forty one (41) samples of the three materials under study were analysed for their lead concentration and most of the samples had the lead content within the standard specified for water colours.

The Yellow colours of all the materials analysed excepting two makes of water colours, had lead concentration over the standard limit.

One of the makes had all the colours with lead concentration less than 10 mg/kg.