

LEAD, BLOOD
(AAS)

ug/dL

Interpretation

REFERENCE GROUP	REFERENCE RANGE IN ug/dL
Children	<10
Adults	<25
Acceptable for Industrial exposure	<50
Toxicity	>=100

Note: 1. Atomic Absorption Spectrometry (AAS) is used to determine the level of heavy / trace metals in biological tissues

2. To assess occupational exposure sample should be collected at the end of the shift on the last day of the work week

Comments

Lead is the most ubiquitous toxic metal detectable in practically all phases of the inert environment and in all biological systems. Industrial exposure to lead is seen in industries manufacturing lead containing paints & ceramic glazes, batteries, water pipes & ammunition. Major exposure of the general population is through food & water. Lead containing toys & paints are a primary source of lead exposure in children. Centre for Disease Control (CDC) recommends universal screening of children from 6 months of age. Acute toxicity is uncommon as compared to chronic toxicity leading to intellectual deficit and lead induced anemias in children.