

## lowest-observed-adverse-effect-level (LOAEL)

Lowest concentration or amount of a substance, found by experiment or observation, which causes an adverse alteration of morphology, functional capacity, growth, development, or life span of a target organism distinguishable from normal (control) organisms of the same species and strain under defined conditions of exposure.

**See also:** lowest-observed-effect-level, no-observed-adverse-effect-level, no-observed-effect-level,

This entry has been replaced by a new definition.

**Source:**

PAC, 1993, 65, 2003 (*Glossary for chemists of terms used in toxicology (IUPAC Recommendations 1993)*) on page 2065