>>**Entry Name: Aluminium hydroxide oxide (Al(OH)O)**
Synonym(s): Basic aluminium oxide

CAS Registry Number: 24623-77-6
Extra CAS Registry Numbers(s): 11139-78-9
AlO(OH)

Molecular Formula: $AlHO_2$
Molecular Weight: 59.988
Accurate Mass: 59.979194
Percentage Composition: Al 44.98%; H 1.68%; O 53.34%
Physical Description: White solid
Solubility: Sol. hot NaOH

>>**Variant:** α-form
Synonym(s): Diaspore

CAS Registry Number: 14457-84-2
Molecular Formula: $AlHO_2$
Molecular Weight: 59.988
Accurate Mass: 59.979194
Percentage Composition: Al 44.98%; H 1.68%; O 53.34%
General Statement: Struct. has AlO_6 octahedra with shared edges and corners, some linked by H bonds
Source/Synthesis: Mineral from Paraguay and Pennsylvania
Physical Description: White or off-white cryst.

>>**Variant:** γ-form
Synonym(s): Boehmite

CAS Registry Number: 1318-23-6
Extra CAS Registry Numbers(s): 63957-70-0
Molecular Formula: $AlHO_2$
Molecular Weight: 59.988
Accurate Mass: 59.979194
Percentage Composition: Al 44.98%; H 1.68%; O 53.34%
General Statement: AlO_6 octahedra share edges to form double layers joined by H bonds
Source/Synthesis: From gelatinous $Al(OH)_3.xH_2O$ at 350° and 300 atm. Mineral
Physical Description: White solid

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