

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

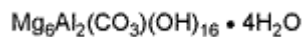
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number 35660

Product **Hydrotalcite, synthetic**

CAS Number Magnesium aluminum hydroxycarbonate

11097-59-9

Molecular Formula $\text{Mg}_6\text{Al}_2(\text{CO}_3)(\text{OH})_{16} \cdot 4\text{H}_2\text{O}$

Molecular Weight 603.98

Appearance White or almost white free-flowing granular powder

Solubility Practically insoluble in water, Dissolves in dil. mineral acid with slight effervescence

Density 0.38 - 0.50 gm/mL (Tapped)

Heavy Metals ≤ 30 ppm

Anion Chloride (Cl) : $\leq 0.3\%$
Sulphate (SO₄) : $\leq 0.7\%$

Cation Arsenic (As) : ≤ 3 ppm
Sodium (Na) : $\leq 0.1\%$

pH 8 - 10

Loss on ignition 40 - 50%

Particle Size $\geq 95\%$ pass through 60 mesh

Assay MgO : 36 - 44% and Al₂O₃ : 15.30 - 18.70%

Grade Meets BP 2022 specification

Storage Store at RT

Additional Information Neutralising Capacity : ≥ 260 ml of 0.1M HCl is required to neutralise 1 gm

For Laboratory Use Only