



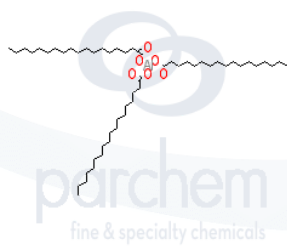
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## Typical Product Specifications & Properties

# Aluminum Stearate

CAS Number: : 300-92-5

Specifications	Limits
Density	1.009
Melting Point	145 - 165 °C
Loss on Drying	1.5 % Max
Appearance	Fine White Powder
Metal Content	4.7 - 5.3%
Free Fatty Acid	4.0 - 7.0%
Bulk Density	220 - 290 g/l
Insolubility	in water, alcohol, ether
Molecular weight	611.05
Chemical Structure	 <p>The chemical structure shows an aluminum atom (Al) coordinated to three oxygen atoms (O) in a trigonal planar arrangement. Each oxygen atom is part of a stearate chain, which consists of a long hydrocarbon tail and a carboxylate group. The structure is shown with a wavy line for the hydrocarbon tail and a zig-zag line for the carboxylate group.</p>



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