


## Typical Product Specifications & Properties

# Sodium Stearate

CAS Number: : 822-16-2

Specifications	Limits
Fatty Acids (C16)	
Loss on Drying	(Moisture) % 5 Max
Identification	A ----- ConformsB or C ----- 54 Min
Alcohol Insoluble Substances	Conforms
Acid Value, mg KOH/g	(of Free Fatty Acid) 196 - 211
C 20	1 Max
C 16	55 - 65
C 18	32 - 44
Organic Volatiles	Conforms
C 14	2 Max
Insolubility	in many org. solvs.
Odor	wh. fine powd., fatty (tallow) odor

Specifications	Limits
Molecular weight	306.47
Solubility	hot water and hot alcohol
Chemical Structure	 <p>The chemical structure shows a sodium lauryl sulfate molecule, consisting of a hydrophilic head (sulfate group) and a hydrophobic tail (lauryl chain). The head is represented by a sulfur atom bonded to two oxygen atoms, one of which is negatively charged and associated with a sodium ion (Na<sup>+</sup>). The tail is a long, zigzag hydrocarbon chain. The Parchem logo, featuring two interlocking circles, is positioned above the structure. Below the structure, the word 'parchem' is written in a lowercase, sans-serif font, with the tagline 'fine &amp; specialty chemicals' underneath it.</p>