

Sarcosyl (SLS), N-Lauroylsarcosine sodium salt

Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Sodium dodecyl sarcosine (sarkosyl or sarcosyl), also known as sodium lauroyl sarcosine, is an anionic surfactant. It has amphiphilic, both hydrophobic 14 carbon chain (lauryl) and hydrophilic carboxyl group. The nitrogen atom of amide bond has no pH activity and remains neutral without being affected by pH change. Sarkosyl has been widely used in experimental research due to its good water solubility, high foam stability and strong adsorption capacity to protein. As a detergent, sarkosyl can penetrate and lyse cells. Unlike sodium dodecyl sulfate, sodium dodecyl sarcosine can be dissolved in solutions containing guanidine hydrochloride and guanidine isothiocyanate. This characteristic makes sarkosyl commonly used in RNA extraction applications, such as improving the performance of Trizol reagent.

Ordering Information

CAT.No.	Product Name	Package
C11207	Sarcosyl, N-Lauroylsarcosine sodium salt (Molecular Biology)	1KG
C11208		5KG

Specifications

Product Name	N-Dodecanoyl-N-methylglycine sodium salt, Sarkosyl NL	
Basic content	CAS	137-16-6
	Molecular formula	C ₁₅ H ₂₈ NNaO ₃
	molecular weight	293.38
	content	99%
	level	Molecular biology
	appearance	White solid powder
	Transportation conditions	room temperature
	Preservation conditions	room temperature
Impurity parameters	stability	Unlimited in dry conditions.
	Moisture	≤1.0%
	sodium chloride	≤0.28%
	Sodium laurate	≤4.0%
	Heavy metals (PB)	≤10ppm
UV absorption value	arsenic	≤10ppm
	Absorbance value @ 230 (1%)	≤15
	Absorbance value @ 260 (1%)	≤0.1
	Absorbance value @ 280 (1%)	≤0.1
Nucleic acid extraction related	Absorbance value @ 320 (1%)	≤0.01
	RNA extraction test	adopt
	Virus nucleic acid extraction test	adopt
	DNase test (1%)	Not detected
	RNase test (1%)	Not detected
	Purity of saturated solution (30%)	It can be dissolved by stirring at room temperature without filtration
PH value (1%)	6.0-8.0	