



# Product Specification



Material ML4509-25KG  
Material description Sodium dodecyl sulfate  
Grade Ultra Pure

CAS Number 151-21-3  
Molecular formula  $C_{12}H_{25}NaO_4S$   
Molecular mass 288.38  
Storage Ambient storage.

Characteristics	Specifications
Assay	$\geq 99.0\%$
Assay ( $C_{12}$ compounds)	$\geq 99.0\%$
Appearance:	.
Fine white crystalline powder	Passes test
Solubility in methanol (1 %)	Clear and colorless
Solubility in water (5 %)	Clear and colorless
Loss on drying	$\leq 2.0\%$
Cl (Chloride)	$\leq 0.1\%$
$PO_4$ (Phosphate)	$\leq 5$ ppm
Pb (Lead)	$\leq 5$ ppm
Fe (Iron)	$\leq 1$ ppm
Absorbance (230 nm) (3 %)	$\leq 0.2$
Absorbance (280 nm) (3 %)	$\leq 0.1$

## Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Naresh Boddu, Head of Laboratory - Aurora  
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For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.