

Certificate of Analysis

Date of Testing: 2024-05-11 15:18:53

Date of Next Testing: 2028-05-10 15:18:53

Product Name: **Dodecylbenzenesulfonic Acid (soft type) (mixture)**

CAS Number: 27176-87-0

Specifications & Purity: $\geq 90\%$, Metal < 200ppm

Lot #: D2422349

SKU #: **D598867**

Version: **1**

Analysis #: **336037**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Petroleum ether soluble matter	0-2.5 (%)	0.00 %
Purity (Titration by NaOH)	89.5-110.5 (%)	103.24 %
Sulfate(SO ₄)	0-10000 (ppm)	7117.00000 ppm
Chloride (Cl ⁻)	0-1500 (ppm)	0.00 ppm
metals,%	0-200 (ppm)	41.00000 ppm
Water by Karl Fischer	0-3 (%)	1.34 %
Neutralization Value	177-187	178.00
Appearance(D598867)	Colorless to Yellow to Amber to Brown Viscous Liquid or solid	Colorless to Yellow to Amber to Brown Viscous Liquid or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager