



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

### Product Information

Product Name Stearic Acid  
Product Number STA-20260210  
Batch Number STA-SH2026021001  
Brand SIGALD  
CAS Number 57-11-4  
MDL Number MFCD00002752  
Formula  $C_{18}H_{36}O_2(CH_3(CH_2)_{16}COOH)$   
Formula Weight 284.48 g/mol  
Quality Release Date 10 FEB 2026

表格

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Flakes/powder	Flakes	-	Visual Inspection
Acid Value	195-205 mg KOH/g	201.2 mg KOH/g	mg KOH/g	Titration Method
Saponification Value	196-206 mg KOH/g	202.5 mg KOH/g	mg KOH/g	Titration Method
Iodine Value	$\leq 2.0$ g I <sub>2</sub> /100g	0.8 g I <sub>2</sub> /100g	g I <sub>2</sub> /100g	Wijs Method
Melting Point	54-60°C	57.5°C	°C	Capillary Method
Moisture Content	$\leq 0.5\%$	0.2%	%	Karl Fischer Titration
Ash Content	$\leq 0.1\%$	0.03%	%	Gravimetric Method (550°C)
Heavy Metals (Pb)	$\leq 5$ ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	$\leq 5$ ppm	0.7 ppm	ppm	Spectrophotometry
Free Fatty Acids	$\geq 98.0\%$	98.8%	%	HPLC

**Certification** This batch of product has been tested in accordance with industrial standards for stearic acid and meets all specified requirements. It is qualified for use.