

Certificate of Analysis

Product Name: Sodium Dimethyldithiocarbamate

Product Information

Product Number: SDDC-20260203 Batch Number: SDDC-B2026020301 Brand: SIGALD CAS
Number: 128-04-1 Formula: $C_3H_6 NNaS_2$ Molecular Weight: 143.21 g/mol Purity Grade: $\geq 98.0\%$
(w/w) Quality Release Date: 03 FEB 2025

Test Item	Specification (Industrial Grade)	Result	Test Method
Appearance	White to pale yellow crystalline powder, slight ammonia odor	White crystalline powder, slight ammonia odor	Visual & Olfactory Inspection
Purity (HPLC)	$\geq 98.0\%$	98.5%	High Performance Liquid Chromatography
Melting Point ($^{\circ}C$)	240-245 (decomposition)	242-244	Melting Point Apparatus Method
Moisture Content (Karl Fischer)	$\leq 1.0\%$	0.65%	Karl Fischer Titration Method
Ash Content	$\leq 0.5\%$	0.32%	Ignition Method ($800\pm 50^{\circ}C$)
Heavy Metals (Pb) Content	$\leq 0.0005\%$	0.0002%	Atomic Absorption Spectrometry (AAS)
Chloride (Cl^-) Content	$\leq 0.02\%$	0.008%	Silver Nitrate Turbidimetry
pH (1% Aqueous Solution, $25^{\circ}C$)	9.0-11.0	9.8	pH Meter Method

This batch of product has been tested in accordance with GB/T 23943-2020 and industrial standards, meeting all specified requirements for Sodium Dimethyldithiocarbamate. It is qualified for use in water treatment, rubber processing and other applicable scenarios.
Issue Date: 03 FEB 2025