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ThermoFisher
S C I E N T I F I C

Product Specifications

Product 16028
N-Acetyl-L-cysteine, 98%

General Product Data

Version	2
CAS No	616-91-1
Molecular weight	163.19
Molecular formula	C ₅ H ₉ N O ₃ S
Linear formula	HSCH ₂ CH(NHCOCH ₃)CO ₂ H

Product Specifications

Appearance (Color)	White
Appearance (Form)	Crystalline powder or crystals
Infrared spectrum	Conforms
Titration with NaOH	>=97.5 %
Specific optical rotation	+21° to +27° (20°C, 589 nm) (on dried substance) c=5, phosphate buffer pH 7
Loss on drying	=<0.5 %
Heavy metals	=<10 ppm
Residue after ignition	=<0.5 %

Product Specifications are subject to amendment and may change over time.