



# Specification

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1.12422.0100 N-Acetyl-L-cysteine for biochemistry

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Specification		
Assay (iodometric)	≥ 99.0	%
Identity (IR-spectrum)	passes test	
Appearance	white to almost white, crystalline powder or colorless crystals	
Appearance of solution (1 mol/l, water)	clear and colorless	
Spec. rotation ( $\alpha$ 20/D, 50 g/l, buffer pH 7.0)	+21.0 to +27.0	°
Heavy metals (as Pb)	≤ 0.001	%
NH <sub>4</sub> (Ammonium)	≤ 0.01	%
L-cysteine (HPLC)	≤ 0.02	%
Other ninhydrine positive substances	≤ 0.1	%

Dr. Ralf Burgert

Responsible laboratory manager quality control

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