

## N-Acetyl-L-cysteine (From non-animal source), Cell Culture Tested

**TC054**

### Product Identifier

CAS No.	:	616-91-1
EC No.	:	210-498-3
Molecular Formula	:	C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> S
Molecular Weight	:	163.19
HS Code	:	2930 90 40
Storage	:	2 - 8°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	White to off-white crystals or powder..
Solubility	:	100 mg soluble in 1 mL of water
pH (1% in water at 25°C)	:	2.00 - 2.80
Specific rotation [alpha 20/D]	:	+21.00 to +27.00° (c = 5% in phosphate buffer, pH 7.0 ± 0.1 at 25°C)
FTIR	:	Matches with the standard pattern
Melting range	:	106 - 113°C
Assay (NaOH)	:	98.00 - 102.00%
Titration/Iodimetry/HPLC)	:	
Cell Culture Test	:	Passes

### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	HA1660000
WGK	:	2