

**RM3142      N-Acetyl-L-cysteine****Product Number****Packing**

RM3142	: 10G
RM3142	: 25G
RM3142	: 5G

**Product Information**

Product Code	: RM3142
Product Name	: N-Acetyl-L-cysteine
Synonym	: 2-Acetamido-3-mercaptopropionic acid
Molecular Formula	: C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> S
Molecular Weight	: 163.19
CAS No.	: 616-91-1
EC No.	: 210-498-3
HS Code	: 2930 90 16
Shelf Life	: 4 years

**Technical Specification**

Appearance	: Colorless or white to off-white crystals or powder
Solubility	: 100 mg soluble in 1 mL of water
pH (1 % in water at 25°C)	: 2.0 - 2.8
FTIR (KBr disc)	: Matches with the standard pattern
Specific rotation	: +21.0° to +27.0° (c = 5% in phosphate buffer pH 7)
Melting range	: 106 - 113°C
Assay (NaOH Titration/Iodimetry)	: 99.00 - 102.00%

**Risk and Safety Information**

WGK	: 2
RTECS	: HA1660000
Storage Temperature(°C)	: Store at 2 - 8°C

**Transport Information**

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods