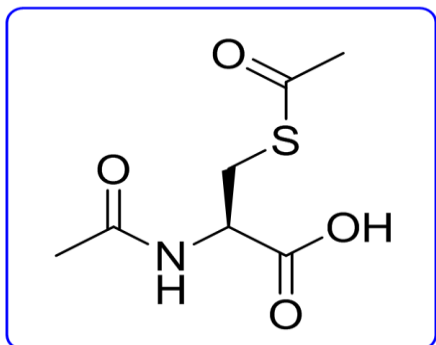


CERTIFICATE OF ANALYSIS

Certified Reference Standard

Acetylcysteine EP Impurity D

N,S-Diacetyl-L-cysteine



Product Number:

CAS Number: 18725-37-6

Lot Number:

Molecular Formula: C₇H₁₁NO₄S

Molecular Weight: 205.37 g/mol

Long-term Storage: 2-8 °C

Appearance: Off White Solid

Melting Point: N.A.

Assay Purity: NLT 97%

Sr.#	Test	Results	Data ref.
1	¹ H NMR	Conform	Report attached
2	Mass	Conform	Report attached
3	IR	Conform	Report attached

Manufacturing Date: 2017

Expiration Date: 2019

This certificate is valid for two years from the date of manufacturing provided the substance is stored under the recommended conditions.