

## 3058 – N-ACETYL-L-TYROSINE

REF NO: TBL/QA/SS/LC/3058	<b>STANDARD SPECIFICATION FOR N-ACETYL-L-TYROSINE</b>	Rev. No: 03
Issue No: 04		Review Date: 28/10/2024
Issue Date: 29/10/2021		Product code: 3058

### PRODUCT PROPERTIES

C.A.S Number	537-55-3
Chemical Formula	C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>
Formula weight	223.23
Functional Uses	L-Tyrosine is a non-essential amino acid. It can be used as a cell culture media component in the commercial bio manufacture of therapeutic recombinant proteins and monoclonal antibodies. N-Acetyl-L-tyrosine is an acetylated derivative of the essential amino acid L-tyrosine with reported improved nutritional properties.
Standard Packaging	5gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2.5% aqueous)	2.0 - 3.0
Heavy Metals	< 10 ppm
Iron (Fe)	< 20 ppm
Loss on Drying For 3 hrs., 105°C	< 0.50 %
Chloride	< 0.020 %
Specific Rotation	46.5 - 49.0 °

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

