

500 – ADIPIC ACID, (HEXANEDIOIC ACID)

REF NO: TBL/QA/SS/LC/500	STANDARD SPECIFICATION FOR ADIPIC ACID, (HEXANEDIOIC ACID)	Rev. No: 03
Issue No: 04		Review Date: 29/10/2024
Issue Date: 30/10/2021		Product code: 500

PRODUCT PROPERTIES

C.A.S Number	124-04-9
Chemical Formula	C ₆ H ₁₀ O ₄
Formula weight	146.14
Functional Uses	Adipic acid can be used as a starting material in the preparation of Aliphatic polyesters by reacting with ethyleneglycol/ 1,3propyleneglycol/1,4-butanediol using inorganic acid as a catalyst and Cyclopentanone using a weak base such as Na ₂ CO ₃ .
Standard Packaging	500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystals or powder or solid

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Point	151 – 153°C
Sulphated Ash	NMT – 0.05%
Assay	NLT – 99.0%

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

