

1721 –L-CARNITINE (VITAMIN B1)

REF NO: TBL/QA/SS/LC/1721	STANDARD SPECIFICATION FOR L-CARNITINE (VITAMIN B1)	Rev. No: 03
Issue No: 04		Review Date: 07/11/2024
Issue Date: 08/11/2021		Product code: 1721

PRODUCT PROPERTIES

C.A.S Number	541-15-1
Chemical Formula	C ₇ H ₁₅ NO ₃
Formula weight	161.2
Functional Uses	L-Carnitine is commonly used in pharmaceuticals.
Standard Packaging	5 gm, 25 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	A white crystalline powder.
Solubility	Soluble in water

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2.5% aq.)	2.7 – 3.3
Sulphated Ash	NMT – 0.1%
Sulphate (SO ₄)	NMT – 0.03%
Nitrate (NO ₃)	Passes test
Water (KF)	NMT – 5.0%
Heavy Metal (as Pb)	NMT – 0.002%
Assay	98.5 – 101.0%

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

