

087– D(-) ARABINOSE, AR GRADE

Ref No: TBL/QA/SS/LC/087	STANDARD SPECIFICATION FOR D(-) ARABINOSE, AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 31/10/2024
Issue Date: 01/11/2021		Product code: 087

PRODUCT PROPERTIES

C.A.S Number	10323-20-3
Chemical Formula	C ₅ H ₁₀ O ₅
Formula weight	150.13
Functional Uses	D-(-)-Arabinose is a D-ribose analogue present in sugar polymers such as the arabinogalactans of mycobacterial cell walls and plant tissues. D-Arabinose is a substrate used to identify, differentiate and characterize arabinose isomerase(s) that have commercial value in the production of tagatose, a low calorie sweetener.
Standard Packaging	5 gm, 25 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to off-white crystalline powder

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Residue on ignition (as SO ₄)	NMT – 0.1%
Moisture	NMT – 0.1%
Chloride (Cl)	NMT – 0.005%
Assay	NLT – 99.0%

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

