

1849 – DIPHENYLAMINE (AR GRADE)

REF NO: TBL/QA/SS/LC/1849	STANDARD SPECIFICATION FOR DIPHENYLAMINE (AR GRADE)	Rev. No: 03
Issue No: 04		Review Date: 12/11/2024
Issue Date:13/11/2021		Product code: 1849

PRODUCT PROPERTIES

C.A.S Number	122-39-4
Chemical Formula	C ₁₂ H ₁₁ N
Formula weight	169.22
Functional Uses	Diphenylamine can undergo palladium-catalyzed intramolecular cyclization to form carbazole. It may also be used as a starting material in the synthesis of triphenylamine.
Standard Packaging	100 gm, 500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to transparent crystal.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Insoluble in ethanol	NMT – 0.01%
Sulphated ash	NMT – 0.02%
Iron (Fe)	NMT – 0.001%
Melting point	52 – 54°C
Assay	NLT – 98.0%
Nitrate	No Reaction
Aniline	NMT – 0.01%

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

