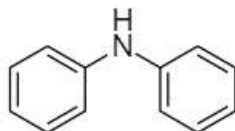


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

DIPHENYLAMINE 99 % AR

N,N-Phenylbenzenamine, N-Phenyl Aniline



Product Code	O-5239	Grade	Analytical Reagent
Purity	99 %	CAS No	122-39-4
Molecular Formula	C ₁₂ H ₁₁ N	Molecular Weight	169.22 g/mol
H.S.Code	2921.4410	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline	Colour	White
Melting point	50 - 53 °C	Density	1,160 g/cm ³
Boiling point	302 °C	Partition coefficient: n-octanol/water	log Pow: 3,5
Vapour pressure	1 hPa at 108 °C		

Packaging

500 gram

Specification

Appearance	White to off white flakes/powder, darkening on exposure to light
Assay (GC, Area %)	min 99.0 %
Melting range	52.5 - 54.0 °C
Solubility in ethanol	passes test
Sulphated ash	max 0.03 %
Nitrate (NO ₃)	passes test
Aniline (C ₆ H ₅ .NH ₂)	max 0.01 %
Sensitivity for Nitrate (NO ₃)	min 1:1600000 (passes ACS test)
Copper (Cu)	max 0.001 %
Iron (Fe)	max 0.001 %
Nickel (Ni)	max 0.001 %
Lead (Pb)	max 0.001 %

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H301+H311+H331-H373-H410

Precaution Statement: P273-P280-P301+P310-P302+P352+P312-P304+P340+P311-P314