



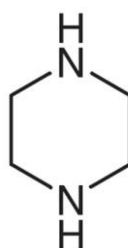
Certificate of Analysis.

Piperazine reference standard, Anstan[®].

Product code:	BS14385.
Description:	Piperazine reference standard, Anstan [®] .
Chemical Name:	1,4-Diazacyclohexane.
Pack:	5 gm.
CAS No.:	110-85-0.
Mol. Weight:	86.14 g/mol.
Mol. Formula:	C ₄ H ₁₀ N ₂ .
MDL Number:	MFCD00005953.
Melting Point:	112 °C.
Boiling Point:	146 °C.
Density:	1.1 g/cm ³ .
Solubility:	Soluble in water, chloroform.
Storage:	Store at ambient temperature.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	White powder to crystal	Lot specific.
Identification by NMR:	Confirms to the structure.	Lot specific.
Identification by MASS:	Confirms to the structure.	Lot specific.
Identification by IR:	Confirms to the structure	Lot specific.
Purity by GC:	>99%.	Lot specific.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




Dr. K. Deepti.
Technical Head.

