

Specification

Technical Data Sheet

CAS

7803-57-8

STORAGE

Ambient

MOLECULAR WEIGHT

50.06

PRODUCT

Hydrazine hydrate 100%

Product number	90035421
CAS number	7803-57-8
Molecular formula	H ₄ N ₂ •H ₂ O
Molecular weight	50.06 g/mol

PARAMETER

SPECIFICATION

Appearance	Colourless to slightly coloured liquid
Assay	≥99.5%
Density	1.03 kg/l
Boiling Point	120°C
Flash Point	≤60°C
pH	10.6
Ammonia (NH ₃)	≤0.1%
Chlorine (Cl)	≤0.5ppm
Cu, Pb, Hg	≤0.05ppm
Dynamic viscosity (25°C)	1.5 mPa.s
Fluoride (F ⁻)	≤1ppm
Freezing Point	-51.7°C
Inorganic residue	≤20ppm
Iron (Fe)	≤0.5ppm
Ni,Cr,Co,Zn,As,Mo,Mn	≤1ppm
Specific Gravity	1.032

PARAMETER	SPECIFICATION
Vapour Pressure	12hpa
Water solubility	Completely soluble at 20°C
Calcium (Ca)	≤1ppm
Hydrazine	63.6 - 64.4%
Refractive Index(25°C)	1.43
Sodium (Na)	≤0.5ppm
Sulphates (SO ₄)(2-)	≤0.5ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.
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