

SPECIFICATION

Deuterium Oxide

Parameters	Specification
CAS Number	7789-20-0
Appearance	Colorless, transparent liquid
Molecular Formula	D ₂ O
Molecular Weight	20.027 g/mol
Boiling Point	101.4 °C
Melting Point	3.82 °C
Flash Point	101.4 °C
Purity	99.8–99.9%
Refractive Index	1.328
Solubility	Miscible with water
Uses	Moderating agent in some nuclear reactors; solvent for deuterated NMR solvents; tracer studies; coolant in reactors

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