

SPECIFICATION

Tetrabutylammonium Fluoride Trihydrate

Parameters	Specification
CAS Number	87749-50-6
Appearance	White crystalline solid
Molecular Formula	$[\text{CH}_3(\text{CH}_2)_3]_4\text{NF} \cdot 3\text{H}_2\text{O}$
Molecular Weight	315.51 g/mol
Boiling Point	320 °C
Melting Point	68 °C
Flash Point	260 °C
Purity	98–99%
Refractive Index	1.5
Solubility	Soluble in water and polar solvents; insoluble in nonpolar solvents
Uses	Phase-transfer catalyst and fluoride source in organic synthesis; deprotection of silyl ethers

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