

SPECIFICATION

3-Nitrobenzenesulfonic Acid

| Parameters | Specification |
|-------------------|--|
| CAS Number | 98-47-5 |
| Appearance | White to off-white crystalline solid |
| Molecular Formula | C ₆ H ₅ NO ₃ S |
| Molecular Weight | 203.17 g/mol |
| Boiling Point | 310 °C |
| Melting Point | 180 °C |
| Flash Point | 210 °C |
| Purity | 98–99% |
| Refractive Index | 1.63 |
| Solubility | Soluble in water and ethanol; insoluble in nonpolar solvents |
| Uses | Intermediary in dye synthesis and pharmaceutical production; used in organic synthesis as a sulfonic acid functional group source |

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