

## SPECIFICATION

### Meta-Nitrobenzoyl Chloride

| Parameters        | Specification                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| CAS Number        | 121-90-4                                                                                                                  |
| Appearance        | Colorless liquid                                                                                                          |
| Molecular Formula | C7H4ClNO3                                                                                                                 |
| Molecular Weight  | 185.57 g/mol                                                                                                              |
| Boiling Point     | 214 °C                                                                                                                    |
| Melting Point     | -12 °C                                                                                                                    |
| Flash Point       | 79 °C                                                                                                                     |
| Purity            | 98–99%                                                                                                                    |
| Refractive Index  | 1.57                                                                                                                      |
| Solubility        | Soluble in common organic solvents, insoluble in water                                                                    |
| Uses              | Used in organic synthesis as an acylating agent for the preparation of amides, esters, and other nitrobenzoyl derivatives |