

Specification

Technical Data Sheet

CAS**54-11-5****STORAGE****Ambient****MOLECULAR WEIGHT****162.23****PRODUCT****S-(-)-Nicotine****Product number** 25698234**CAS number** 54-11-5**Molecular formula** C10H14N2**Molecular weight** 162.23 g/mol**PARAMETER****SPECIFICATION****Appearance** Colourless or brownish viscous liquid**Assay** $\geq 98.0\%$ **Heavy metals** $\leq 10\text{ppm}$ **Specific rotation** -140 to -152**Water** $\leq 0.5\%$ **beta-nicotyrine** $\leq 0.2\%$ **Continine** $\leq 0.2\%$ **Ethanol** $\leq 0.5\%$ **Hexane** $\leq 0.03\%$ **Sulphated Ash** $\leq 0.1\%$ **Anabasine** $\leq 0.3\%$ **Anatabine** $\leq 0.3\%$ **Any Unspecified Impurity** $\leq 0.1\%$ **Myosmine** $\leq 0.5\%$ **Nicotine-cis-N-Oxide** $\leq 0.2\%$ **Nicotine-trans-N-Oxide** $\leq 0.2\%$

PARAMETER	SPECIFICATION
Nornicotine	≤0.5%
Total Impurities (spec. and unspec.)	≤1%
Total Nicotine-N-Oxides	≤0.3%

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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