

# Specification

## Technical Data Sheet

<b>Product Name</b>	Quinine, anhydrous
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<b>Product No</b>	11658195
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<b>CAS Number</b>	130-95-0
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<b>Storage Temperature</b>	Ambient
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<b>Molecular Weight</b>	324.42
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### Specification

<b>Appearance</b>	White powder
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<b>Heavy metals</b>	≤10ppm
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<b>Loss on Drying</b>	≤1.0%
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<b>Melting Point</b>	174 - 179°C
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<b>Appearance of Solution</b>	Clear solution
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<b>Assay</b>	≥98.5%
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<b>Chloride (Cl)</b>	≤200ppm
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## Specification

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<b>Dihydroquinine</b>	≤5.0%
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<b>Other cinchona alkaloids</b>	≤2.0%
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<b>Specific optical rotation</b>	-159 to -172
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<b>Sulfate (SO<sub>4</sub>)</b>	≤500ppm
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<b>Sulfated ash</b>	≤0.1%
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<b>Alcaline Impurities</b>	To pass tests
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<b>Arsenic (As)</b>	≤3ppm
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<b>Chloroform-alcohol-insoluble substances</b>	Clear solution
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<b>Identification A, B, C, D</b>	To pass tests
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<b>Zinc (Zn)</b>	≤25ppm
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