



Specification

Caffeine Anhydrous

CAS Number: 58-08-2
Molecular Formula: C₈H₁₀N₄O₂
Molecular Weight: 194.19
Storage: 15°C - 30°C
Retest Period: Three years after date of manufacture.

Test	Specification
Appearance	White crystalline powder
Solubility	Soluble in water, dilute acids, alkaline solutions and aqueous alcohol
Stability	Stable in a dry state
Identification	Positive
Particle Size	95% Through 40 US mesh
Melting Point	234°C - 239°C
Acidity	≤ 0.2 mL
Readily Carbonizable Subs.	≤ 0.5%
Loss on Drying	≤ 0.5%
Residue on Ignition	≤ 0.1%
Sulphate	≤ 500ppm
Single Impurity	≤ 0.1%
Total Impurities	≤ 0.1%
Assay	98.5% - 101.5%
Heavy Metals	≤ 10ppm
Arsenic	≤ 3ppm
Cadmium	≤ 1ppm
Mercury	≤ 0.1ppm
Lead	≤ 2ppm
Total Aerobic Plate Count	≤ 1000 cfu/g
Total Yeast and Mold	≤ 100 cfu/g
Coliforms	≤ 10 cfu/g
Escherichia coli, absent in 1g	Negative
Salmonella spp., absent in 25g	Negative
Staph. Aureus	Negative

Approved:

Date: May 12, 2020



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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