

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01972
Lot Number	002004-1031205133
Product	Caffeine, anhydrous 1,3,7-Trimethylxantine, anhydrous 1,3,7-Trimethyl-2,6-dioxopurine
CAS Number	58-08-2
Molecular Formula	C ₈ H ₁₀ N ₄ O ₂
Molecular Weight	194.19

Appearance	White crystalline powder
Appearance of Solution	Clear and colorless
Melting Point	235.8-236.6 °C
Heavy Metals	< 10 ppm
Sulfur Compounds	< 500 ppm (sulfates)
Acidity	< 0.2 ml of 0.1 M Sodium Hydroxide
Infrared Spectrum	Conforms to structure
Loss on Drying	0.13%
Organic Volatile Impurities	Individual: < 0.1%; Total: < 0.1%
Related Substances	Each (A, B, C, D, E, F): < 0.1%; Unspecified impurities: < 0.1%; Total impurities: < 0.1%
Residue On Ignition	0.05%
Assay	99.9%
Grade	BP2012, USP35
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager