



TECHNICAL DATA SHEET(TDS)

Caffeine Powder, USP/FCC Grade, Kosher, Halal

Product Specifications (CAS# 58-08-2)

Test	Specification	Typical Results
Appearance	White crystalline powder	Conforms
Identification A-IR and B-Retention Time	Pass the Test	Passes
Arsenic	Max. 1.5 ppm	Pass
Lead	Max. 0.5 ppm	Pass
Cadmium	Max. 0.5 ppm	Pass
Mercury	Max. 0.2 ppm	Pass
Assay	98.5-101.0	99.9%
Individual Impurities	Max. 0.1%	<0.1%
Total Impurities	Max. 0.1%	<0.1%
Sulfate	Max. 500 ppm	<500 ppm
Loss on Drying	Max. 0.5%	<0.23%
Residue on Ignition	Max. 0.1%	<0.05%
Acidity	Max. 0.2 mL of 0.01M NaOH	<0.2 mL
Melting Range	235 - 237.5°C	236.0 - 236.5°C
Readily Carbonizable Substances	To Pass the Test	Pass
Other Alkaloids	No precipitate is formed	Pass

Appropriate/legal use of this product is the responsibility of the user.

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Phone: 512-668-9918, Fax: 512-886-4008, E-mail: customercare@laballey.com
www.laballey.com

12501 Pauls Valley Road, Suite A, Austin, Texas 78737
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