

CERTIFICATE OF ANALYSIS
Caffeine Anhydrous

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ANALYSIS ITEMS	SPECIFICATION	RESULTS
Appearance	White Crystalline Powder	Conforms
Identification	Infrared Absorption: Pass	Conforms
	Chemical Reaction: Positive Reaction	Conforms
	Assay	98.5%~101.0%
Loss on Drying	<0.5%	0.10%
Melting Range	235-239°C	236.2-236.8°C
Readily Carbonizable Substance	Pass	Pass
Residue on Ignition	≤0.1%	0.04%
Other Alkaloids	Pass	Pass
Chromatographic Purity		
Individual Purity	≤0.1%	Conforms
Total Impurity	≤0.1%	Conforms
Heavy Metal	<10ppm	Conforms
Lead	≤ 1ppm	Conforms
Microbiology Control		
Total Aerobic Count	≤1000cfu/g	Conforms
Mold & Yeast	≤100cfu/g	Conforms
Salmonella	Absent	Conforms
E.Coli	Absent	Conforms

Storage: in cool and dry place.

Shelf Life: three years when properly stored.

Conclusion: conforms with the USP32 standards.

* Data based on manufacturer's document



Quality Control

