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## Typical Product Specifications & Properties

# Caffeine Anhydrous

CAS Number : 58-08-2

Specifications	Limits
Heavy Metals	$\leq 10$ ppm
Chromatographic Purity	$\leq 0.1\%$
Organic Volatile Impurities	Meets the requirements
Identification	Positive Reaction
Other Alkaloids	No precipitate is formed
Appearance of Solution	Clear and Colorless
Loss on Drying	$\leq 0.5\%$
Density	1.23
Sulphated Ash	$\leq 0.1\%$
Readily Carbonizable Substances	No more color than matching fluid D
Sulfate	$\leq 500$ ppm
Melting Point	234° ~ 239°C



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Specifications	Limits
Acidity	10 ml of solution S consumes 0.01 mol/l NaOH < 0.2 ml
Assay	98.5 - 101.5%
Slightly Soluble	in water, alcohol, ether
Freely Soluble	in chloroform
pH	neutral
Odor	wh. fleecy mass, powd. or need., odorless, bitter taste
Molecular weight	194.22



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