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Typical Product Specifications & Properties

Caffeine Anhydrous

CAS Number: : 58-08-2

Specifications	Limits
Density	1.23
Slightly Soluble	in water, alcohol, ether
Freely Soluble	in chloroform
Heavy Metals	≤ 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	$\leq 0.5\%$
Sulphated Ash	$\leq 0.1\%$
Readily Carbonizable Substances	No more color than matching fluid D



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Specifications	Limits
Sulfate	≤ 500 ppm
Melting Point	234° ~ 239°C
Acidity	10 ml of solution S consumes 0.01 mol/l NaOH < 0.2 ml
Assay	98.5 - 101.5%
pH	neutral
Odor	wh. fleecy mass, powd. or need., odorless, bitter taste
Molecular weight	194.22



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