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Typical Product Specifications & Properties

caffeine

CAS Number: : 58-08-2

Specifications	Limits
Density	1.23
Slightly Soluble	in water, alcohol, ether
Freely Soluble	in chloroform
pH	6.50
Flash Point	> 350.00 °F.TCC
logP (o/w)	-0.07
Shelf Life	24 month(s) or longer if stored properly
Storage	store in cool, dry place in tightly sealed containers, protected from heat and light
Odor Type	odorless
Odor	odorless
Taste	Lingering bitter, astringent with a slight metallic aftertaste
Appearance	white crystalline prisms



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Specifications	Limits
Vapor Pressure	15.000000 mm/Hg @ 89.00 °C
Melting Point	235.00 to 237.50 °C. @ 760.00 mm Hg
Molecular weight	194.22
Chemical Structure	<p>Chemical structure of caffeine (1,3,7-trimethylxanthine) is shown. The structure features a fused pyrimidine-imidazole ring system with three methyl groups attached to the nitrogen atoms. A watermark of the Parchem logo and name is overlaid on the structure.</p>



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