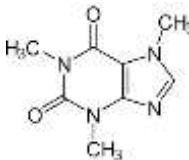


Product Information

CAFFEINE ANHYDROUS 99% AR

1,3,7-Trimethylxanthine



Product Code	O-5295	Grade	Analytical Reagent
Purity	99 %	CAS No	58-08-2
Molecular Formula	C ₈ H ₁₀ N ₄ O ₂	Molecular Weight	194.19 g/mol
H.S.Code	2936.3000	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline powder	Colour	colourless
Melting point	234 - 236,5 °C	Density	1,23 g/cm ³ at 18 °C

Packaging

100 gram

Specification

Appearance	Silky white crystals or crystalline powder ;odouless sublimates readily
Assay (on dried basis)	99.0 - 101.5 %
Solubility	Sparingly soluble in water, freely soluble in boiling water, slightly soluble in ethanol (96 %). It dissolves in concentrated solutions of alkali benzoates or salicylates
Identification	to comply IP, BP test
Appearance of solution	to comply IP, BP test
Melting point	235 - 237 °C
Insoluble matter in water	max 0.005 %
Acidity or alkalinity	to comply IP, BP test
Related substances	to comply IP, BP test
Sulphate (SO ₄)	max 0.05 %
Heavy metals (as Pb)	max 0.002 %
Loss on drying (at 105°C; for 1 hrs)	max 0.5 %
Sulphated ash	max 0.1 %
Copper (Cu)	max 0.0002 %
Iron (Fe)	max 0.0002 %
Lead (Pb)	max 0.0002 %
Zinc (Zn)	max 0.0002 %

Theobromine ($C_7H_8N_4O_2$)

max 0.2 %

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: warning

UN No.: not available

IMCO Class No.: not available

Packing Group: not available

Hazardous Statement: H302

Precaution Statement: P264-P270-P301+P312-P501