

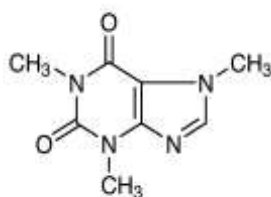


## Certificate of Analysis.

**Caffeine reference standard according to USP/Ph. Eur/BP, AnStan®.**

Product Code:	<b>BS10123.</b>
Description:	<b>Caffeine reference standard according to USP/Ph. Eur/BP, AnStan®.</b>
Chemical Name:	<b>1,3,7-Trimethylxanthine.</b>
Pack:	<b>250 mg.</b>
CAS No.:	<b>58-08-2.</b>
Mol. Weight:	<b>194.19 g/mol.</b>
Mol. Formula:	<b>C<sub>8</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>.</b>
Solubility:	<b>Soluble in chloroform.</b>
MDL Number:	<b>MFCDD00005758.</b>
Melting Point:	<b>238 °C.</b>
Boiling point:	<b>178°C.</b>
Storage:	<b>Store at 2-8°C.</b>
LOT NO.:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>3 years.</b>

Characteristics	Specification	Measured Values
Appearance:	White to Almost white powder to crystalline.	<b>Lot specific.</b>
Identification by NMR:	Confirms to the structure.	<b>Lot specific.</b>
Identification by MASS:	Confirms to the structure.	<b>Lot specific.</b>
Identification by IR:	Confirms to the structure.	<b>Lot specific.</b>
Assay:	>99.9%.	<b>Lot specific.</b>



**Dr.K. Deepti.**  
**Technical Head.**

