

## 3111 – CAFFEINE (ANH.)

REF NO: TBL/QA/SS/LC/3111	<b>STANDARD SPECIFICATION FOR CAFFEINE (ANH.)</b>	Rev. No: 03
Issue No: 04		Review Date: 08/11/2024
Issue Date: 09/11/2021		Product code: 3111

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	58-08-2
<b>Chemical Formula</b>	$C_8H_{10}N_4O_2$
<b>Formula weight</b>	194.19
<b>Functional Uses</b>	Caffeine has been used: to study its impact on the fluorescence of Petunia nuclei and as a component of defined media for the development of bovine oocytes in vitro. It is also used in calibration of HPLC.
<b>Standard Packaging</b>	100 gm, 500 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss On Drying	NMT – 0.5%
Sulphated ash	NMT – 0.1%
Acidity or Alkalinity	Passes
Relative Substance	Passes
Arsenic (As)	NMT – 3ppm
Heavy Metal (Pb)	NMT – 20ppm
Assay	NLT – 98.5%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

