

5008 – CAFFEINE (ANH.) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5008	STANDARD SPECIFICATION FOR CAFFEINE (ANH.) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date:07/02/2022		Product code: 5008

PRODUCT PROPERTIES

C.A.S Number	58-08-2
Chemical Formula	C ₈ H ₁₀ N ₄ O ₂
Formula weight	194.19
Functional Uses	Caffeine is used as an flavoring agent
Standard Packaging	25 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White powder or as white, glistening needles, usually matted together, free- flowing granules or pellets.
Solubility	Freely soluble in water; slightly soluble in ethanol

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Range	235°C - 237.5°C
Readily Carbonizable Substances	Passes test
Residue on Ignition (Sulphated Ash)	NMT – 0.1%
Water	NMT – 0.5%
Lead	NMT – 1 mg/Kg
Assay (on dried basis)	98.5% - 101.0%

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

