



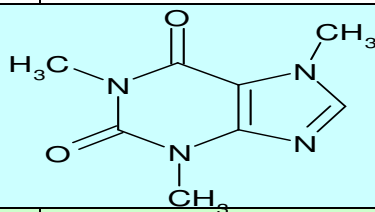
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Quality Control Dept.



Product Specification

E Control	QC2\DATAD\IPS\20403XPS.xls
PRODUCT CODE	20403
PRODUCT NAME	CAFFEINE ANHYDROUS AR Meets Analytical Specification of IP/BP/Ph.Eur.
SYNONYMS	(1,3,7-Trimethylxanthine)
C.I. NO.	--
CASR NO.	(58-08-2)
ATOMIC OR MOLECULAR FORMULA	C ₈ H ₁₀ N ₄ O ₂
ATOMIC OR MOLECULAR WEIGHT	194.19
PROPERTIES	---



PARAMETER	LIMIT
Description	A white, crystalline powder or silky white crystals, sublimes readily.
Solubility	1% soln. in hot water is clear and colourless.
Identification (By FTIR)	Conforms.
Assay (By Non-Aq., Calculated with reference to the dried substance)	98.5 - 101.5%
Melting Point	235° - 239°C
Sulphated ash	Max. 0.05%
Loss on drying (at 100°C for 1 hr.)	Max.0.5%
MAXIMUM LIMIT OF IMPURITIES	
Acidity	0.5 ml N/1%
Arsenic (As)	0.0003%
Sulphate (SO ₄)	0.1%
Heavy metals (as Pb)	0.002%
Related substance	Passes test.
Readily carbonisable substances	Passes test.

Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements: Toxic if swallowed.

Precautionary statements

Prevention : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response: Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IMDG Code : 6.1/III
UN No. : 1544
IATA : 6.1

Disposal: -----

Hazard Pictogram(s) :



Acute toxicity

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 03
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554

