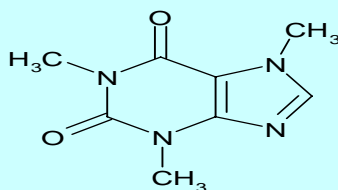




Q Product Specification

E Control	QC2\DATAD\ID:\PS\37574URXPS.xls
PRODUCT CODE	37574UR
PRODUCT NAME	CAFFEINE ANHYDROUS UR"UNIVERSAL REAGENT" Passes LR & 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 <sub>8</sub> H <sub>10</sub> N <sub>4</sub> O <sub>2</sub>
ATOMIC OR MOLECULAR WEIGHT	194.19
PROPERTIES	---



PARAMETER	LIMIT
Description	A white, crystalline powder or silky white crystals, sublimates 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%
<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Acidity	0.5 ml N/1%
Arsenic (As)	0.0003%
Sulphate (SO <sub>4</sub> )	0.1%
Heavy metals (as Pb)	0.002%
Related substance	Passes test.
Readily carbonisable substances	Passes test.

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

<b>DANGER</b> <b>Hazard statements:</b> Toxic if swallowed. <b>Precautionary statements</b> <b>Prevention :</b> Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. <b>Response:</b> Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately	IMDG Code : 6.1/III UN No. : 1544 IATA : 6.1
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Disposal: -----

Hazard Pictogram(s) :	 Acute toxicity
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Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 01.08.2016	Checked By : Name/Dept.:Incharge(Q.A.) Sign. : Date : 02.08.2016	Approved By : Name/Dept. : Incharge (Tech.) Sign. : Date : 08.08.2016	Issue Date : 08.08.2016 Revision No. : 00 Revision dt. : --- AMEND NO.: ---
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