



ADENINE FOR BIOCHEMISTRY	
MEETS ANALYTICAL SPECIFICATION OF BP, SP	
PRODUCT CODE	R08720
SYNONYMS	--
C.I. NO.	--
CASR NO.	(73-24-5)
ATOMIC OR MOLECULAR FORMULA	C ₅ H ₅ N ₅
ATOMIC OR MOLECULAR WEIGHT	135.13
PROPERTIES	Very slightly soluble in cold water; soluble in boiling water, slightly soluble in alcohol; Insoluble in ether and chloroform.
PARAMETER	LIMIT
Description	White to off-white crystalline powder.
Solubility	1% solution in dil. HCl is clear and colourless.
Identification	Conforms.
Assay (Non-aqueous by potentiometric, w.r.to dried sub.)	98.5 - 101%
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (at 110°C, 4 hours)	1.0%
Sulphated ash	0.1%
Acidity/alkalinity	Passes test.
Ammonium (NH ₄)	0.001%
Chloride (Cl)	0.01%
Nitrogen content (on dried sub.)	50.2 – 53.4%
Sulphate (SO ₄)	0.03%
Heavy metal (as Pb)	0.001%
Organic volatile impurities	Meets the requirement.
Organic impurities	Passes test.
Related substances	Passes test.
Note(s) : Assay (if applicable) method mentioned.	
DANGER Hazard statements : May cause respiratory irritation. Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. Causes mild skin irritation. Precautionary statements Prevention: Wear protective gloves/clothing. Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas /mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Response: Immediately call a POISON CENTER or doctor/physician. If skin irritation occurs, seek medical advice/attention. Keep container tightly closed. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Gently wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash/Decontaminate removed clothing before reuse.	IMDG Code : 6.1/III UN No. : 2811 IATA : 6.1
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.	
Hazard Pictogram(s) :-	

Replace Date 1 April 2023

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