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Certificate of Analysis

Catalogue Number	38176
Product	Pentoxifylline
Lot Number	003282-202021928
	3,7-Dimethyl-1-(5-oxohexyl)xanthine
CAS Number	6493-05-6
Molecular Formula	C ₁₃ H ₁₈ N ₄ O ₃
Molecular Weight	278.31

Appearance	Almost white crystalline powder
Appearance of Solution	Solution is not less clear than water
Solubility	Freely soluble in chloroform, soluble in methanol and in water, sparingly soluble in alcohol, slightly soluble in ether
Anion	Chloride : < 0.011% Sulfate : < 0.02%
Acidity	0.13 mL of 0.01 N Sodium Hydroxide
Infrared Spectrum	Conforms to structure
Loss on Drying	0.04%
Residual Solvents	2-Propanol : 217 ppm Cyclohexane : < 10 ppm Toluene : 34 ppm Dimethylformamide : < 7 ppm Acetic acid : < 22 ppm
Related Substances	Any Individual impurities : 0.03% Total impurities : 0.05%
Residue On Ignition	0.02%
Assay	99.8% (On dried basis)
Grade	USP
Storage	Store at 2 - 8 °C
Additional Information	Identification : The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the assay

Certificate of Analysis

Catalog Number: 38176

Lot Number: 003282-202021928

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager