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Certificate of Analysis

Catalogue Number	38311
Product	Tinidazole
Lot Number	003483-2306060
	1-[2-(Ethylsulfonyl)ethyl]-2-methyl-5-nitroimidazole
CAS Number	19387-91-8
Molecular Formula	C ₈ H ₁₃ N ₃ O ₄ S
Molecular Weight	247.27
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Appearance	Pale yellow crystalline powder
Clarity & Color	A 5 % solution in acetone should be clear and not more intensely colored than reference solution Y5.
Solubility	Soluble in acetone and dichloromethane. Sparingly soluble in methanol, slightly soluble in ethanol (95%) and in chloroform. Practically insoluble in water.
Odor	Slight and characterisite odor
Melting Point	126.3 - 127.8 °C
Infrared Spectrum	Conforms to structure
UV Ratios	Examined of 0.001% solution in methanol between 220 nm and 350 nm the solution shows an absorption maximum at 310 nm the specific absorbance at the maximum is 340 - 360 nm.
Loss on Drying	0.27%
Related Substances	Impurity A (2-Methyl-5-Nitroimidazole) : Not detected Impurity B 1-[2-(ethylsulphonyl)ethyl]-2-Methyl-4-Nitro-1H-Imidazole : Not detected Any individual unknown impurity : Not detected Total unknown impurities : Not detected
Sulfated Ash	0.031%
Assay	99.55% (On dried basis)
Grade	Meets BP Specification
Storage	Store at 2 - 8 °C
Additional Information	Identification by chemical : A greenish yellow color is produced.

Certificate of Analysis

Catalog Number: 38311

Lot Number: 003483-2306060

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