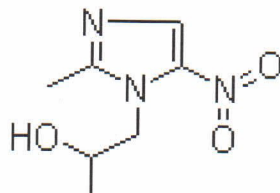


Secnidazole

Batch no WT202404F06
 Mf date Apr 09 2024
 Expiry Apr 08 2027
 Batch size 450 kg

Molecular Structure



Molecular Formula $C_7H_{11}N_3O_3$
 Molecular Weight 185.18
 CAS Registry Number 3366-95-8

Oct 10 2024

Tests	Specifications	Results
Appearance	A almost white or slightly yellowish crystalline powder	Slightly yellowish crystalline powder
Solubility	Freely soluble in ethanol, chloroform, methanol, glacial acetic acid. Soluble in 0.1N dilute hydrochloric acid, 0.1N sodium hydroxide, sparingly soluble in water	Conforms
Identification	i) UV: (water) max 320 nm, min 263 nm UV: (0.1 mol/l HCl) max 276 nm ii) IR -spectrum corresponds with RS	Positive
Clarity and colour of solution	The solution should be clear and colorless, if turbid, it should not be more intense than 0.5 reference turbidity solution, if coloration, it should not be more intense than reference solution GY3	Conforms
Melting point	74 ~ 78°C	74 ~ 75°C
pH	5.5 ~ 7.5	6.5
Loss on drying	4.0 ~ 6.0%	4.6%
Heavy metals	≤ 10 ppm	< 10 ppm
Residue on ignition	≤ 0.1%	0.05%
Related substance (HPLC)	Total impurities ≤ 1.0%	0.003%
Residual solvents	Ethyl acetate ≤ 5000 ppm	ND
Assay (odb)	≥ 98.5% of $C_7H_{11}N_3O_3$	99.9%
Packaging & storage	Store in a well-closed container	
Conclusion	Material complies with in-house standard	