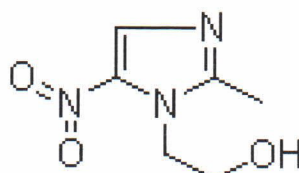


Batch no ZH24050201
Mf date May 05 2024
Expiry May 04 2028
Batch size 1,000 kg

Molecular Structure



Molecular Formula C₆H₉N₃O₃
Molecular Weight 171.15
CAS Registry Number 443-48-1

May 30 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	A white or yellowish crystalline powder	White powder
Solubility	Slightly soluble in water, in acetone, in alcohol and in methylene chloride	Conforms
Identification	IR	Positive
Appearance of solution	≤ Suspension II and reference solution GY ₆	Conforms
Specific absorbance	365 ~ 395	372
Melting range	159 ~ 163°C	160.3 ~ 161.1°C
Loss on drying (105°C, 3hr)	≤ 0.5%	0.1%
Heavy metals	≤ 20 ppm	< 20 ppm
Residue on ignition	≤ 0.1%	0.05%
Related substances	Any impurity ≤ 0.1%	0.01%
	Total impurities ≤ 0.2%	0.05%
	Disregard limited ≤ 0.01%	Conforms
Residual solvents	Ethylene oxide ≤ 0.15 ppm	ND
	Formic Acid ≤ 124 ppm	ND
Particle size	100% pass thru 40-80 mesh	Conforms
Assay (odb)	99.0 ~ 101.0% of C ₆ H ₉ N ₃ O ₃	99.8%

Packaging & storage	Store in a well-closed container, protected from light
Conclusion	Material complies with BP2023