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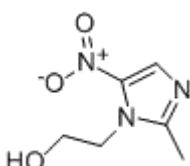
## Technical Data Sheet

### Metronidazole

#### Product Information

Chemical Name	Metronidazole
CAS #	443-48-1
Formula	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight	171.15
Synonyms	1-(2-Hydroxy-1-ethyl)-2-methyl-5-nitroimidazole

Chemical Structure



#### Description

White or milky white crystalline powder. Melting point 158-160. Soluble in hot water, slightly soluble in ethanol, slightly soluble in water or chloroform, slightly soluble in ether. Taste bitter and slightly salty.

#### Specification

Items	Specification	Testing Results
Appearance	A white or yellowish crystalline powder	COMPLY
Solubility	Slightly soluble in water, in acetone, in alcohol and in methylene chloride	COMPLY

c),a),b) Identification c),a),b)		c) infrared b)Melting point 159-163 °C a)Specific absorbance 365-395	c) COMPLY b) 160.6-160.9 °C a) 376
Loss on drying		0.5% MAX	0.21%
Residue on ignition		0.1% MAX	0.04%
Heavy Metal		20PPM MAX	<20PPM
Particle size		40-80 MESH	COMPLY
Residual solvents		Ethylene oxide (LOD 0.15ppm) Formic acid (LOD 124ppm)	Not detected. Not detected
Appearance of solution		SUSPENSION II AND SOLUTION GY6	COMPLY
Related substance	1)Impurity	0.1%MAX	0.042%
	2)Total impurity	0.2%MAX	0.070%
	3)Disregard limited	0.01% MAX	PASS
Assay		99.0%-101.0% C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>	99.52%C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>

### Applications

- 1.Strong antibacterial effect on most anaerobic bacteria
- 2.Used for the treatment of amoebiasis, trichomoniasis and anaerobic bacteria infection

### Packaging

25kgs per fiber drum  
13tons(520drum)/20''FCL

### Storage & Handling

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Recommended storage temperature: 2 - 8 ° C

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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