

Metronidazole



KIMYAGARAN
Emrooz
Chemical Industries Co.

Technical Data Sheet



Metronidazole

Chemical Name:

2-Methyl-5-Nitroimidazole-1-Ethanol

Trade Name:

Metronidazole

Introduction:

Metronidazole is a nitroimidazole anti-infective medication used mainly in the treatment of infections caused by susceptible organisms, particularly anaerobic bacteria and protozoa.

Different Grades:

Regular, Micronized powder

General Applications:

Metronidazole is used to treat parasitic infections including Giardia infections of the small intestine, amebic liver abscess and amebic dysentery (infection of the colon causing bloody diarrhea), bacterial vaginosis, trichomonas vaginal infections, and carriers of trichomonas (both sexual partners) who do not have symptoms of infection. Metronidazole is also used alone or in combination with other antibiotics in treating abscesses in the liver, pelvis, abdomen and brain caused by susceptible anaerobic bacteria.

Packaging:

Packaging Type	Net weight	Gross weight	No. of drums per pallet	No. of pallets in a 20 FLC	Shelf life	IMCO Class
PE bags in PE Drums	25 Kgs	40 Kgs	6	20	2 yrs	Non-Imco

**Safety, Handling & Storage:**

Full information on the safety, handling and storage of Metronidazole is available in the corresponding Material Safety Data Sheet ([MSDS](#)).



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Trade Name: **Metronidazole**

Specification

No.	TEST	STANDARD	Unit	Ref
1	IR spectra	Spectrum obtained with standard Metronidazole	–	USP41-NF36
2	Organic Impurities	—Tinidazole Compound A NMT 0.1 — Any single unspecified Impurity NMT 0.1 —Total Impurities NMT 0.2	% wt	USP41-NF36
3	Loss on drying	Max 0.5	% wt	USP41-NF36
4	Residue on Ignition	Max 0.1	% wt	USP41-NF36
5	Assay	99 – 101	% wt	USP41-NF36
6	Heavy metals	Max 50	ppm	USP41-NF36
7	Residual solvents	Defined as Organic volatile chemicals	ppm	USP41-NF36

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