

Certificate of Analysis

Reference Material & Standard

Product Name:	Nitroimidazoles Mix 10	Catalogue Number:	MCAD303774
Appearance:	Colourless Liquid	Lot Number:	0321-RG-0096
Solvent:	Acetonitrile	Storage:	-20°C±5°C Protected from light and Sealed
Expiry Date:	Dec 11, 2028		

Chemical Structure:

Warning:



N/A

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (%)
1	Metronidazole	443-48-1	100.5	5
2	4-Nitroimidazole	3034-38-6	99.6	5
3	Ipronidazole	14885-29-1	100.2	5
4	2-Methyl-5-nitroimidazole	696-23-1	101.0	5
5	Ronidazol	7681-76-7	100.4	5
6	5-Chloro-1-Methyl-4-Nitroimidazole	4897-25-0	99.8	5
7	Dimetridazole	551-92-8	100.7	5
8	5-Nitrobenzimidazole	94-52-0	100.2	5
9	Hydroxy Metronidazole	4812-40-2	100.9	5
10	1-Methyl-5-nitro-1H-imidazole-2-methanol	936-05-0	99.3	5

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Mar 24, 2025

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