



**SIGMA-ALDRICH**

**Riedel-de Haën**

**CERTIFICATE OF ANALYSIS /  
INSPECTION CERTIFICATE 3.1 acc. to DIN EN 10204**

Sigma-Aldrich Laborchemikalien GmbH D-30918 Seelze  
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Seelze, 05.10.2005/719662

Order-No.:

Customer-No.:

Order-Code:

Quantity:

Production date: 01.Aug.2005

Expiry date: 01.Aug.2011

**Article/Product: 46461**

**Batch : 5213X**

**Metronidazol VETRANAL**

**Reference Material (RM)**

**1. General Information**

Formula: C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>3</sub>  
CAS-No.: [443-48-1]  
Usage : Imidazole

Molar mass: 171.16 g/Mole  
Recomm. storage temp.: approx. 4 °C

The estimated relative error of a single measurement of the assay can be expected to be  $\pm 0.5\%$  (confidence level 95 %, n=6).


**2. Batch Analysis**

Identity (NMR)	complying
Assay (HPLC)	99.9 %
Melting range	161.6–163.0 °C
Date of Analysis	29.Sep.2005

**3. Advice and Remarks**

- The minimum shelf life is based on the current knowledge and holds only for proper storage conditions in the originally closed flasks/ packages.
- Whenever the container is opened for removal of aliquot portions of the substance, the person handling the substance must assure, that the integrity of the substance is maintained and proper records of all its handlings are kept. Special care has to be taken to avoid any contamination or adulteration of the substance.
- We herewith confirm that the delivery is effected according to the technical delivery conditions agreed.
- The batch from which we delivered, showed the above-mentioned values.
- Particular properties of the products or the suitability for a particular area of application are not assured.
- We guarantee a proper quality within our General Conditions of Sales.

Sigma-Aldrich Laborchemikalien GmbH  
Quality Assurance

  
(Dr. Gaede)

**Works Inspector**

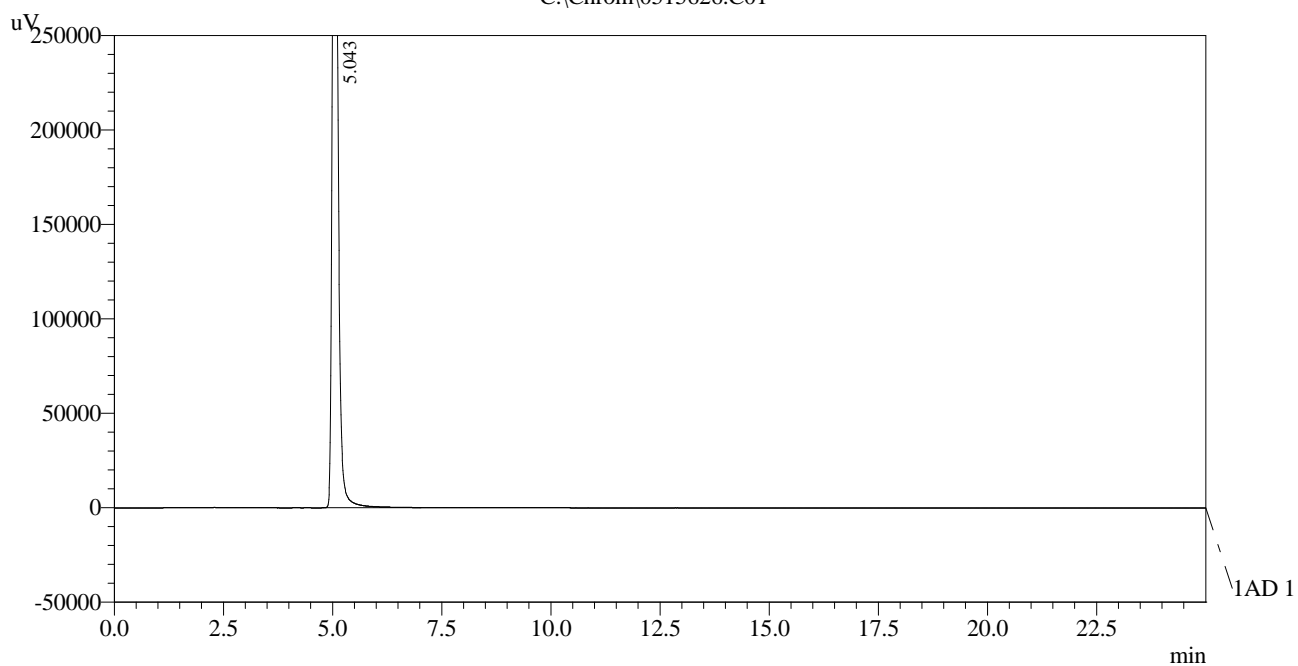
# Honeywell Specialty Chemicals Seelze GmbH Analytical Department

## HPLC-Method

Article : Metronidazol  
Article-No : 46461  
Batch : 5213X

Column : L=250mm, ID=4,6mm; Supelcosil LC-18DB  
Eluent : Acetonitrile 10 %  
Water + 0,2% Na2HPO4 90 %  
Flow : 1,4ml/min  
Detector : UV-318nm  
Injection-Volume : 20µl  
Sample-Preparation : 0,2mg/ml  
Linearity : checked  
Evaluation : Normalisation (uncorrected)  
Operator : Schowe

Chromatogram  
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1 AD 1 /

PeakTable

AD1 Ch1 Peak#	Ret. Time	Area	Area %
1	5.043	4236186	100.000
Total		4236186	100.000