

Sigma-Aldrich Laborchemikalien GmbH D-30918 Seelze
Telefon: +49 5137 8238-150

Seelze, 09.03.2009/937852/08/03786

Order-No.:

Customer-No.:

Order-Code:

Quantity:

Production Date: 11.Feb.2008

Expiry Date: 11.Feb.2015

Article/Product: 45684

Batch : SZE8042X

Thiabendazole PESTANAL®

Reference Material (RM)

1. General Information

Formula: C₁₀H₇N₃S
CAS-No.: [148-79-8]
Usage : Fungicide

Molar mass: 201.25 g/Mole
Recomm. storage temp.: roomtemp.

The estimated uncertainty of a single measurement of the assay can be expected to be 0.5 % relative (confidence level = 95%, n= 6) whereby the assay measurements are calculated by 100% minus found impurities.

2. Batch Analysis

Identity (NMR)
Assay (GC)
Melting range
Water (Karl Fischer)
Date of Analysis

complying
99.8 area %
300.7-302.2 °C
0.0604 %
03.Mar.2008

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.
- A sample of the above mentioned batch showed the listed analytical 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



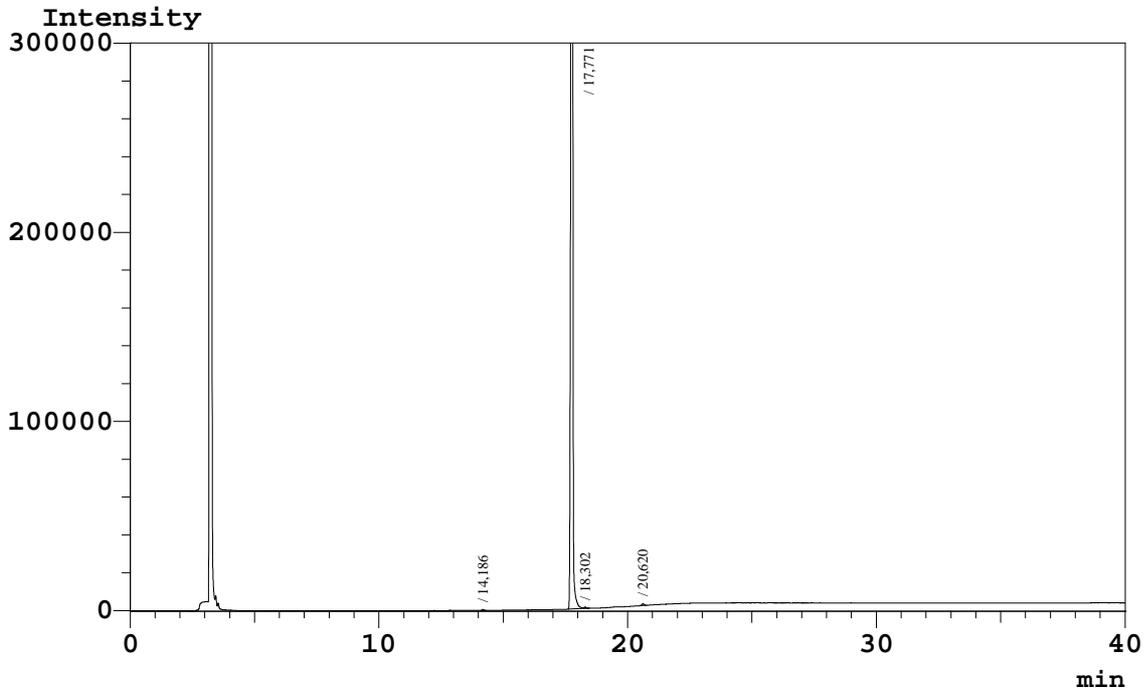
Works Inspector

Honeywell Specialty Chemicals Seelze GmbH
Analytical Department

GLC-Method

Article : Thiabendazole
Article-No : 45684
Batch : SZE8042X

Column : MDN-5, 30m,fs cap.,I.D.=0,32mm,1,0micron df
Inj.-temp. : 260°C
Det.temp. : 330°C
Oven-temp. : 180°(4min)to 320°C(10°/min)hold 15min
Split : 1:100
Flow : 1ml He/min
Inj.v. : 1µl solution in DMSO(ca.100mg/ml)
Evaluation : Normalisation(uncorrected)
Operator : Schuster



Peak Table - Channel 1

Peak#	Ret.Time	Area	Height	area-%
1	14,19	1870	502	0,044
2	17,77	4254290	929175	99,794
3	18,30	1922	539	0,045
4	20,62	4971	925	0,117
Total		4263053	931141	100,000