

**CERTIFICATE OF ANALYSIS**

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

Seelze, 03.07.2013/489064/13/13140

Order-No.:

Customer-No.:

Order-Code:

Quantity:

Production Date: 17.Jun.2013

Expiry Date: 17.Jun.2018

Article/Product: 36687

Batch : SZBD168XV

4-Aminopyridine PESTANAL®

**Reference Material (RM)****1. General Information**

Formula: C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>

CAS-No.: [504-24-5]

Usage : Repellent

Molar mass: 94.11 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)

Water (Karl Fischer)

Melting range

Date of Analysis

complying	
99.9	area %
0.2	%
159.3-161.0	°C
02.Jul.2013	

**3. Advice and Remarks**

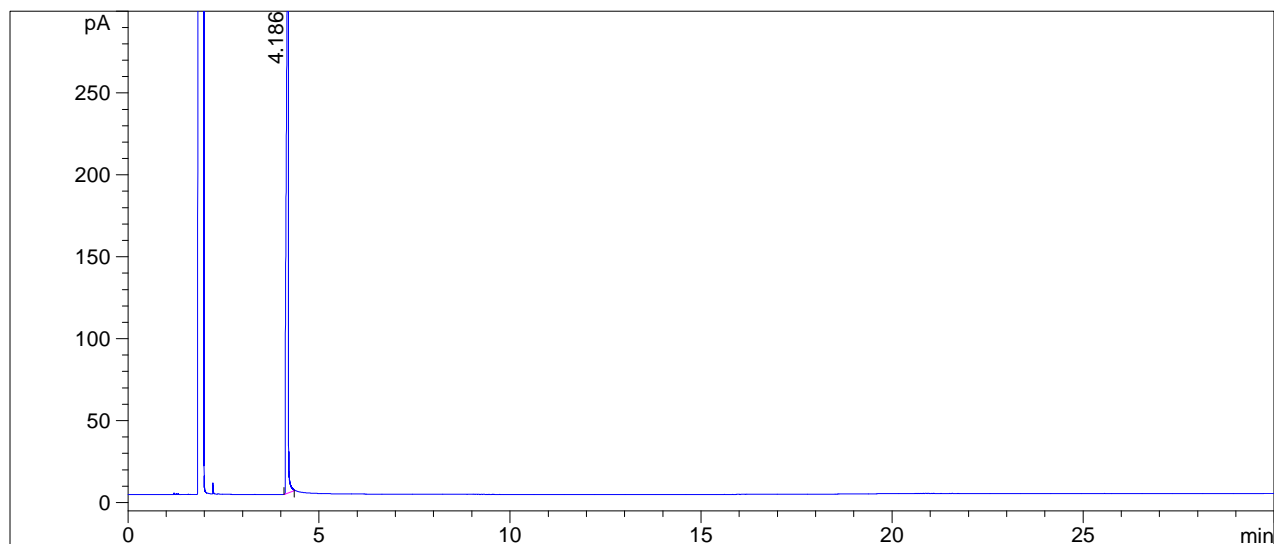
- The expiry date is based on the current knowledge and holds only for proper storage conditions in the originally closed flasks/ packages.
- Whenever the container is opened for removal of aliquot portions of the substance, the person handling the substance must assure, that the integrity of the substance 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.
- 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 Management SA-LC

## Analytical Department

GLC-Method  
Article : 4-Aminopyridine  
Article-No : 36687  
Batch : SZBD168XV  
Column : MDN-5, 30m, 0,25mm i.D., 0,25µm Film  
Inj.-Temp. : 320°C  
Det.-Temp. : 320°C - FID  
Oven-Temp. : 100°C to 300°C (10°C/min) hold 10min  
Split : 1:100  
Flow : 1,0ml He/min  
Inj.v. : 1µl solution in Dimethylsulfoxide  
Evaluation : Normalisation (uncorrected)  
Operator : Schulz

## C H R O M A T O G R A M M



## Area Percent Report

#	Meas. R	Height	Area	Area %	Compound Name
1	4.186	397.031	1331.57	100.000	

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