Honeywell | Research Chemicals

Fluka™ Analytical Standards

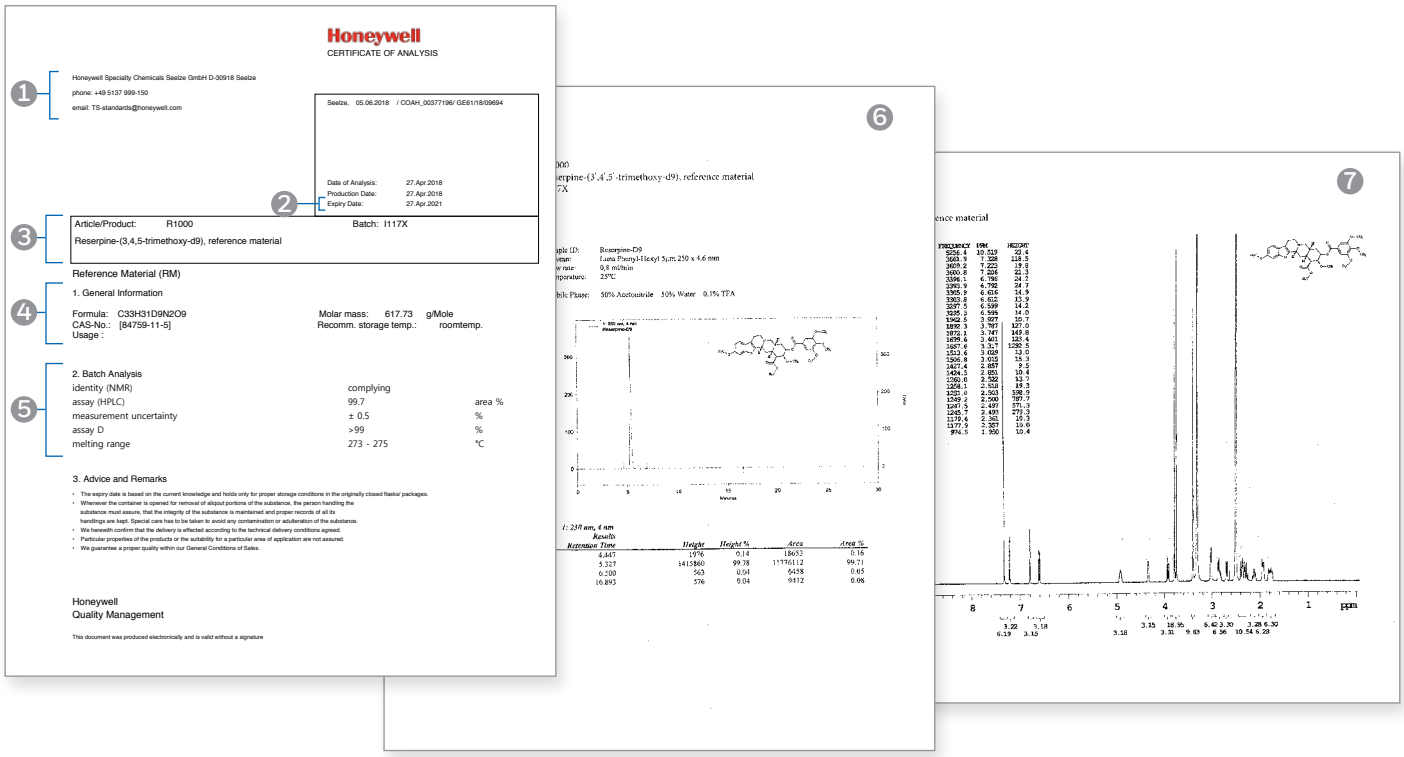
Advance your analysis with expert technical support

Advance your analysis

Honeywell Fluka™ analytical standards offers a growing range of high quality inorganic and organic reference materials produced according to ISO 9001, and suitable for a wide range of industries and applications. Every vial comes complete with a printed Certificate of Analysis (CoA) and is eligible for free expert technical support - ensuring you have the information you need to quickly start your analysis, and pass relevant audits.

Each CoA includes:

1. Contact and technical support details
2. Expiry date
3. Product number, name and batch
4. General product information
5. Lot specific analytical results
6. Purity test by HPLC, GC, LC-MS, GC-MS and Titration
7. Identity test by NMR, FT-IR or Mass Spectrometry



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CERTIFICATE OF ANALYSIS

1 Honeywell Specialty Chemicals Seelze GmbH D-30918 Seelze
phone: +49 5137 999-150
email: TS-standards@honeywell.com

Seelze, 05.06.2018 / COAH_00377196/ GE61/18/09694

2 Date of Analysis: 27.Apr.2018
Production Date: 27.Apr.2018
Expiry Date: 27.Apr.2021

3 Article/Product: R1000 Batch: I117X
Reserpine-(3,4,5-trimethoxy-d9), reference material

Reference Material (RM)

4 1. General Information
Formula: C33H31D9N2O9 Molar mass: 617.73 g/Mole
CAS-No.: [84759-11-5] Recomm. storage temp.: roomtemp.
Usage :

5 2. Batch Analysis

identity (NMR)	complying	
assay (HPLC)	99.7	area %
measurement uncertainty	± 0.5	%
assay D	>99	%
melting range	273 - 275	°C

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.

Honeywell
Quality Management

This document was produced electronically and is valid without a signature

6

erpine-(3',4',5'-trimethoxy-d9), reference material

Retention Time	Height	Height %	Area	Area %
4.447	1976	0.14	18653	0.16
5.327	1413860	99.78	11776112	99.71
6.200	563	0.04	6458	0.05
16.893	576	0.04	9412	0.08

7

ppm

Limit expensive delays with free expert technical support

If you have a critical question that is not addressed by our documentation, Honeywell Fluka provide fast technical support from experts who have been developing, producing and testing standards for decades, ensuring you get timely, effective help with even the trickiest application questions – potentially saving you hundreds of Euros, and hours of lab-work*.

- We solve the majority of customer product enquiries after one email or phone call.
- More complex application troubleshooting is normally resolved within 5 working days.

Save valuable lab-time using Honeywell custom standards

Producing a standard in-house can be a technically challenging, time consuming and expensive process, requiring you to source materials, purify, and validate your standard.

Our extensive experience enables us to efficiently produce and test custom standards to your requirements for less than it would cost to produce in-house**.

- With all our facilities on one site, our expert team can develop, test and manufacture a simple custom standard within a week, and a more complex custom standard within two.
- Because our custom standards are guaranteed to be the correct specification and come with full documentation, you can be sure your analysis is reliable and accurate.

To browse our complete reference material range, or to request a quote for a custom standard visit **lab-honeywell.com/standards.**

*Assuming an average of 1 hour delay caused by any technical enquiry, with a staff of 2 at hourly cost of €100 each.

**For a customer to create in-house, a 50x 1mL - 20 compound mixture - we estimate approximate cost could be €20100.

Raw materials costs: 20x €200 = €4000. Ordering 20 compounds: 15 min each = 300 min = €500 (labour costs: €100/h). Preparation of the solution (weight of 20 compounds and dissolve): 12 X 3h = €3600 (limited shelf life-1month). Validation/Quality control: 12x10 h = €12000. Total cost: €20100.

To order the same mixture from Honeywell would cost approx. 50x € 200 = € 10000. This means you would save approximately €10000.

To order, please contact:

Lambda Life a.s.
info@lambda.sk
+421 2 44880159, +421 902 938809

For more information
www.lab-honeywell.com/standards

For technical or application product support contact us at:
Office Phone : +49(0) 51 37 999 150
Fax: +49(0) 51 37 999 698
Email: TS-standards@honeywell.com

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

DIS-001-0008-ENG | 06/18 | 3090 v4

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