

Flk + Stn + Tch = Cfd

Fluka™ Analytical Standards Technical Support Confidence

Fluka™ Analytical Standards

Advance your analysis with expert technical support

Advance your analysis

Honeywell Fluka™ analytical standards offer 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 standard 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

Honeywell
CERTIFICATE OF ANALYSIS

1. Honeywell Specialty Chemicals Schweiz GmbH D-20118 Seltze
phone: +49 5127 999 150
email: TO-standards@honeywell.com

Swiss: 05.08.2016 / COA#_00277196_0501180566

2. Date of Analytic: 27 Apr 2016
Production Date: 27 Apr 2016
Expiry Date: 27 Apr 2021

3. Article/Product: R1000 Batch: 1117X
Reserpine (3,4,5-trimethoxy-dl), reference material

4. Reference Material (RM)
1. General Information
Formula: C33H41DN2O9
CAS No.: [84759-11-9]
Usage:
Molar mass: 617.73 gMole
Recomm. storage temp.: roomtemp.

5. 2. Batch Analysis
identity (NMR) complying
assay (HPLC) 99.7 area %
measurement uncertainty ± 0.5 %
assay D ± 0.9 %
melting range 273 - 275 °C

6. 3. Advice and Remarks
• The assay data is based on the current knowledge and holds only for proper storage conditions in the original closed bottle packages.
• Whenever the container is opened for removal of aliquot portions of the substance, the exposed weighing tin immediately must be closed. The integrity of the substance is compromised and proper storage of the substance is no longer assured. Special care has to be taken to avoid any contamination or sublimation of the substance.
• The material should not be allowed to be heated according to the technical safety conditions of the product.
• Reference properties of the products in the vicinity of a particular area of application are not provided.
• We guarantee a superior quality with our General Certificate of Analysis.

7. Honeywell Quality Management
This document was produced electronically and is valid without a signature.



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 Fluka™ analytical standards manufacturing facilities and technical experts on one site, Honeywell can develop, test and manufacture a simple or complex custom standard to meet your needs.
- Because our custom standards are guaranteed to comply with all specifications 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, www.lab-honeywell.com/elektrokem/

*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:

Elektrokem Oy

PL 71 00131 Helsinki
Phone: +358-9-72065620
Email: info@elektrokem.fi
www.elektrokem.fi

For technical or application product support contact us at:

Tel.: +49(0) 51 37 999 150
Fax: +49(0) 51 37 999 698
Email: TS-standards@honeywell.com



RESPONSIBLE CARE^d

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