



**SCIENTIFIC
LABORATORY
SUPPLIES**

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 Sweden GmbH D-30918 Seelze
 phone: +49 5137 999 150
 email: TS-standards@honeywell.com

2. Sweden, 03.02.2018 / SCOM_002719x/ 0801180596x

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

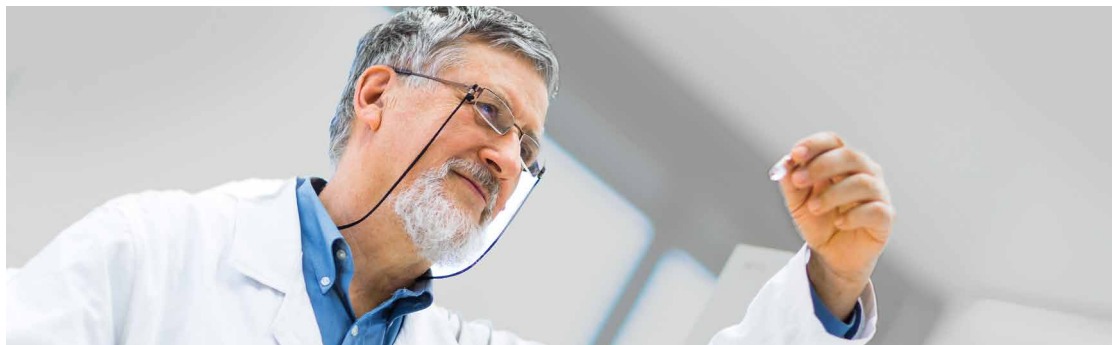
3. Article/Product: R1000
 Reserpine (3,4,5-trimethoxy-dl), reference material
 Batch: 1117X

4. Reference Material (RM)
 1. General Information
 Formula: C33H41DN2O9
 CAS No.: 184759-11-0
 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) >95 %
 melting range 273 - 275 °C

6. HPLC chromatogram showing a single sharp peak at approximately 11.7 minutes. The x-axis is labeled 'Time, min' and the y-axis is labeled 'Absorbance'.

7. Mass spectrum showing a base peak at m/z 316. The x-axis is labeled 'm/z' and the y-axis is labeled 'Relative intensity'.



Limit expensive delays with free expert technical support

If you have a critical question that is not addressed by our documentation, Honeywell Fluka provides 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 Dollars, 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, lab-honeywell.com/



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*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 (labor 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.

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