

Fluka Stn + Tch = Cfd

Analytical Standards Technical Support Confidence

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

Honeywell CERTIFICATE OF ANALYSIS

1. **General Information**

Article/Product: R1000
Reserpine (3,4,5-trimethoxy-8β), reference material
Reference Material (RM)
Formula: C₂₃H₃₁NO₉
CAS No.: [84759-11-9]
Molar mass: 617.73 g/Mole
Recomm. storage temp.: roomtemp.

2. **Batch Analysis**

identity (NMR): complying
assay (HPLC): 99.3 %
measurement uncertainty: ± 0.5 %
assay D: >99 %
melting range: 273 - 275 °C

3. **Advice and Remarks**

1. The assay data is based on the current knowledge and holds only for proper storage conditions in the original closed bottle packaging.
2. Whenever the container is opened for removal of physical portion of the substance, the container has to be calibrated and re-assayed. The re-assay is recommended and proper records of all re-assays are to be kept. Special care has to be taken to avoid any contamination or deterioration of the substance.
3. We warrant that the delivery is effected according to the technical delivery conditions agreed.
4. Technical inspection of the products in the laboratory for a particular area of application can not be done.
5. We guarantee a proper quality within our General Conditions of Sale.

2. **Batch Analysis**

Retention Time	Height	Area%	Area	Area%
9.937	975	0.11	18053	0.30
9.997	141000	99.78	1176112	99.71
6.010	563	0.04	8428	0.04
10.893	576	0.04	9412	0.04

3. **Identity Test**

1H NMR spectrum (CDCl₃) of Reserpine (3,4,5-trimethoxy-8β) reference material. The spectrum shows characteristic peaks at 7.30, 6.30, 3.10, 2.10, 1.10, 0.10 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.



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