

Smart Reference Substance to Test Moisture Analyzers



Reliable Moisture Results? Be Sure With SmartCal

SmartCal offers a fast and efficient way to verify the performance of your Moisture Analyzer. The SmartCal test takes just 10 minutes and is done in the same way as a regular measurement.

Testing your Moisture Analyzer with SmartCal ensures your results are reliable and fulfill the demands of industry regulations and company audits. The certified and traceable cSmartCal meets the needs of highly regulated industries.

SmartCal – for moisture results you can trust.

METTLER TOLEDO

Test Your Moisture Analyzer in 10 Minutes

SmartCal ensures accurate results and provides seamless QC documentation. With a simple 10 minute test, you can be sure your instruments are working within specifications at all times.



Certified cSmartCal for highly regulated industries

The certified cSmartCal is recommended for use in all highly regulated industries. A Certificate of Analysis is provided for every production batch. This certificate is issued by the independent German Federal Institute for Materials Research and Testing in Berlin (BAM, www.bam.de).



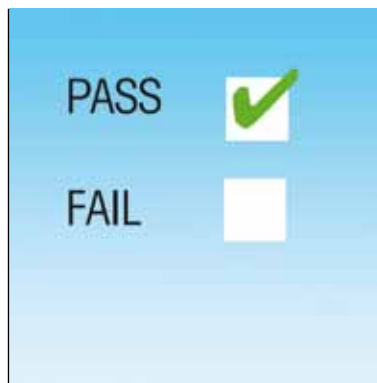
Verified Instruments in three simple steps

SmartCal is an innovative, granular test substance. Its high sensitivity reliably detects adverse influences from ambient conditions and inaccurate heating or weighing devices.



Simple and fast test

The test is as easy to perform as a regular measurement. Simply pour SmartCal into the sample pan and start. The results are available in 10 minutes.



Verified instrument

The Moisture Analyzer is ready for use if the result lies within the SmartCal control limits.



No issues with auditors

The proper verification and seamless documentation guarantee correct performance.



Put trust in your measurements

SmartCal checks the performance of your Moisture Analyzer in the QC lab or directly on the factory floor in just 10 minutes. Ensure you have results you can trust!

Routine Testing

Test Frequency Recommendation

Halogen Moisture Analyzer

| | | | |
|-----------------|------------------------|-----------------------|--------------------------------|
| Company | Mettler-Toledo AG | Department / Position | MetCal Services / Art Director |
| Contact | Flora-Sarah Lorenz-Ant | Instrument Type | MS20 |
| Email | flora.lorenz@mt.com | Serial Number | 12345678 |
| Telephone | +49 902 29 81 | Location | 40202 |
| ZIP Code / City | 40888 Solingen | Date | None |

Regular verification of the Halogen Moisture Analyzer is essential to ensure valid results and maintain quality. Based on your profile we recommend the following routine testing schedule.

Your Profile

| | |
|------------------|------------|
| Sample | Free water |
| Moisture content | 10.00% |
| Sample quantity | Medium |
| Sample type | Medium |
| Sample | Free |

Recommended Frequency of Testing

| | |
|-------------|-----------|
| Sample type | Frequency |
| Sample type | Weekly |
| Sample type | Monthly |
| Sample type | Quarterly |
| Sample type | Annually |
| Sample type | None |

For an explanation of the criteria used to determine the Test Frequency Recommendation please refer to the attached background information on routine testing of Moisture Analyzers.

METTLER TOLEDO

Are you testing enough?

Or maybe too much?

The optimal frequency for verifying the performance of your Moisture Analyzer is dependent on your specific process needs and working environment. Get your free personalized, risk-based testing recommendation at www.mt.com/smartcal-frequency-recommendation



► www.mt.com/smartcal

Product Overview

cSmartCal™



The certified cSmartCal is available in packaging sizes of 12 and 24 tests. For each batch, a Certificate of Analysis is issued by the independent German Federal Institute for Materials Research and Testing in Berlin (BAM, www.bam.de). The specifications are superior to standard SmartCal.



| | |
|---------------------|-----------------|
| cSmartCal™ | Part No. |
| cSmartCal, 24 tests | 30005791 |
| cSmartCal, 12 tests | 30005793 |

SmartCal™



Standard SmartCal is available in packaging sizes of 12 and 24 tests and is supplied with a production certificate issued by METTLER TOLEDO.



| | |
|--------------------|-----------------|
| SmartCal™ | Part No. |
| SmartCal, 24 tests | 30005790 |
| SmartCal, 12 tests | 30005792 |

StarterPac

To get started with cSmartCal or SmartCal, an initial one-off purchase of the StarterPac is recommended. The StarterPac contains 12 test sachets plus all accessories you need including measurement protocols, reporting templates, a thermo/hygrometer, validation documentation etc.

| | |
|----------------------|-----------------|
| StarterPac | Part No. |
| StarterPac cSmartCal | 30005918 |
| StarterPac SmartCal | 30005917 |

Test temperatures

cSmartCal and SmartCal can be used for testing at any temperature between 70°C and 230°C. METTLER TOLEDO provides established control limits for testing at 70°C, 100°C, 130°C and 160°C.

Specified Moisture Analyzers / Shelf life

cSmartCal and SmartCal are applicable for testing of METTLER TOLEDO Halogen Moisture Analyzers. cSmartCal and SmartCal have a shelf life of 27 months.

Control limits (example @ 100°C)

| Temperature | cSmartCal | SmartCal |
|-------------|----------------|----------------|
| 100°C | 5.3 - 6.3 % MC | 5.2 - 6.4 % MC |

The control limits of cSmartCal are superior for tighter control of the instruments.

www.mt.com/smartial

For more information



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