CORESTA MONITOR No. 9

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Coresta Monitor No.9 test pieces, produced under the supervision of CORESTA and supplied by Cerulean, represent the ninth iteration of monitor test pieces developed by the CORESTA organization. These pieces are manufactured following rigorous processes, with the yield of key components determined through collaborative studies conducted by CORESTA laboratories.

Monitor test pieces are used to monitor the stability of the analytical processes involved when using a cigarette smoking machine for routine analysis. In particular, they are used to assess whether the analytical process related to the machine smoking of cigarettes is in statistical control. An International Standard, ISO 16055, describes the requirements for and use of a monitor test piece. CORESTA has followed this ISO standard to design its own test pieces, referred to as CM9. ("9" being the version number of the available batch and IP referring to "Ignition Propensity").

To prevent confusion with cigarettes, the test pieces are clearly marked and are primarily composed of laminar tobacco, without the addition of humectants or casings. Detailed reports on the validation and production processes of these test pieces are available on the CORESTA website.



CM9 test pieces are essential for ensuring the correct operation of various smoking machines. They are supplied with documentation that outlines the expected yields of critical components such as nicotine, carbon monoxide (CO), and nicotine-free dry particulate matter when using these monitor test pieces.

The ongoing conformance of CM9 test pieces is guaranteed through regular proficiency studies conducted by CORESTA. They are routinely employed to verify the consistency of airflow patterns and analytical methods within laboratories, serving as a benchmark product for studies involving a range of analytes. To maintain their integrity, the test pieces are stored under low ambient conditions to ensure freshness.



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