American Oil and Chemists' Society
Certified Reference Materials
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CERTIFICATE OF ANALYSIS

AOCS 0306-E4 | LLCotton25 | Cotton | Leaf tissue genomic DNA

Certified Presence	Certified Value	Measurement Uncertainty	Test Method
Homozygous LLCotton25 DNA present	> 999.99 ng/µg LLCotton25 DNA	0.01 ng/µg	event-specific real-time PCR

Description: This is the fourth batch of LLCotton25 cotton CRM prepared by AOCS for BASF Agricultural Solutions US LLC. This material is for limited purposes only: see "Intended Use" and "Terms and Conditions."

This certificate is valid through: March 2027

This validity may be extended when further evidence of stability becomes available. Customers will be notified by AOCS if a stability issue arises at AOCS Headquarters.

Introduced: 21-FEB-24
Revised: 08-MAR-24, 25-MAR-25, 27-MAR-26

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AOCS Mission: AOCS advances the science and technology of oils, fats, proteins, surfactants and related materials, enriching the lives of people everywhere.

Characterization

Product Description AOCS 0306-E4 has been prepared by AOCS from homozygous genomic cotton DNA extracted from clean leaves. AOCS 0306-E4 is available in sterile, 0.5 ml skirted screw-cap self-sealing tubes containing approximately 77.2 µg of DNA at a concentration of 129.6 ng/µL. Users are informed that this reference material has been produced from genomic DNA extracted from clean leaves of LLCotton25 by BASF Agricultural Solutions US LLC. The LLCotton25 cotton used in the preparation of AOCS 0306-E4 resulted from several cycles of self-pollination of the LLCotton25 line.

Homogeneity Ten packaged samples, containing approximately 10 µg of DNA each, were tested using event-specific qualitative PCR methods developed and validated by BASF Agricultural Solutions US LLC. Test results received from Eurofins-GeneScan, New Orleans, LA (an ISO 17025 accredited laboratory) for qualitative, event-specific analysis were all consistent with the reported presence of the LLCotton25 trait.

Stability AOCS Certified Reference Materials are tested for stability on an annual basis and certificates may be extended based on the outcome of this testing. Customers may request extended certificates, but they are informed that results are based on samples that are obtained from AOCS' inventory. AOCS cannot guarantee the integrity of samples outside of our control.

Analytical Method Used for Certification

Eurofins-GeneScan, New Orleans, LA (an ISO 17025 accredited laboratory) performed event-specific real-time PCR for LLCotton25 to validate the presence of the LLCotton25 trait.

Warnings and Precautions

This product is for laboratory use only and is not for consumption. The user of this CRM should follow safety requirements and rules issued by voluntary organizations and government agencies expert in the field of laboratory safety.

Intended Use

This CRM, AOCS 0306-E4, is intended for use as quality control material or calibrant in methods for the detection, identification, and/or quantification of biotechnology-derived events.

Instructions for Use

Upon receipt the product should be stored in a sealed container at +4 °C in the dark. The product may have redistributed during shipment, therefore, centrifuge the vial to aggregate the sample at the bottom of the vial before use.

If the user of this CRM intends to use it multiple times, proper protocols must be followed to ensure that the sample retains its integrity. Use a clean pipette to extract the intended sample amount. Close the lid on the vial and rewrap with new parafilm. Store the CRM +4 °C in the dark and repeat this process for all subsequent uses.

Recommended test portion: minimum of 200 ng or the test portion recommended in your validated method

Protocols have been followed to ensure that this CRM has the presence of the LLCotton25 trait. Please follow all instructions on this certificate to prevent contamination of the CRM.

Note: The AOCS 0306-E4 certification report is available online and a paper copy will be supplied upon request.

Terms and Conditions (i–ix)

i. The CRM AOCS 0306-E4 shall be used solely 1) in assays for (a) detecting the presence of LLCotton25, or (b) quantification of LLCotton25; or 2) for determining whether an assay cross-reacts with CRM AOCS 0306-E4. CRM AOCS 0306-E4 shall be used for no other purpose. Specifically, the CRM may not be used to develop a detection method for LLCotton25 nor trait(s) present therein. No other rights are conveyed by the sale of the CRM 0306-E4 to any purchaser, including any rights to any pending or granted BASF Agricultural Solutions US LLC Patents or other BASF Agricultural Solutions US LLC Intellectual Property that may protect the CRM or LLCotton25 or trait(s) present therein or a detection method for LLCotton25.

ii. Neither the CRM AOCS 0306-E4 nor any extract or portion thereof shall be resold or redistributed by any purchaser, unless the resale or redistribution is required by national law in force in the purchaser's country.

iii. Neither the CRM AOCS 0306-E4, nor any extract or portion thereof, shall be used for human or animal consumption or human or animal trials.

iv. Neither the CRM AOCS 0306-E4 nor LLCotton25 DNA, nor any part of either of these, shall be used for transformation or breeding.

v. No characterization or derivation of LLCotton25, of the trait or traits present in CRM AOCS 0306-E4 shall be performed, except as allowed for in section (i).

vi. All assay activities undertaken using the CRM AOCS 0306-E4 shall be conducted in strict compliance with all Applicable Laws governing such activities and shall comply with conditions of all permits and authorizations which may be required for such activities; and such activities shall be strictly limited to assays in contained facilities, for example, laboratories.

vii. Prior to disposal of any used or excess CRM AOCS 0306-E4 or residues thereof, such material or residue must be treated in a manner that degrades LLCotton25 in the CRM material, such as by autoclaving.

viii. CRM AOCS 0306-E4 shall not be exported nor re-exported in violation of any Applicable Laws or without securing any necessary export or import clearances or permits.

ix. THE CRM 0306-E4 IS PROVIDED FOR THE PURPOSE OF IDENTIFYING, DETECTING AND QUANTIFYING LLCOTTON25 AND FOR NO OTHER PURPOSE. AOCS HAS TESTED CRM 0306-E4 WITHIN THE PAST 12 MONTHS AND STATES THAT IT HAS DETERMINED IT TO BE OF SUFFICIENT QUALITY AND FIT FOR THE PURPOSES STATED HEREIN. NO BASF AGRICULTURAL SOLUTIONS US LLC WARRANTY IS PROVIDED WHETHER EXPRESS OR IMPLIED, IN RELATION TO THE CRM AOCS 0306-E4 AND BASF AGRICULTURAL SOLUTIONS US LLC. MATERIALS. BASF AGRICULTURAL SOLUTIONS US LLC. MAKES NO REPRESENTATION OR WARRANTY THAT THE USE OF THE CRM AOCS 0306-E4, WHETHER BEFORE, OR AFTER THE EFFECTIVE DATE OF THE APPLICABLE CERTIFICATE, WILL NOT INFRINGE ANY PATENT OR OTHER PROPERTY RIGHTS.