



Designation: D8499 – 23

Standard Guide for Meeting the Specifications of ASTM D8432¹

This standard is issued under the fixed designation D8499; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

INTRODUCTION

In the cannabis/hemp industry, fairness in the marketplace for cannabis/hemp products is desired. Thus, standards for assuring safety, quality, and weight stabilization during key steps of the cannabis/hemp flowers sojourn are in order. While there are numerous means of meeting or exceeding the specifications of Specification **D8432**, additional guidance will provide purveyors who move the cured crop from the packaging process via the supply chain to another licensed operator or to the end user an assist in meeting or exceeding the specifications.

1. Scope

1.1 Specification **D8432** covers the environmental conditions, such as temperature, humidity, and lighting under which the cured, dry, cannabis/hemp flowers packaged in fresh format and intended for human use can be maintained in transit to assure the safety, quality, and weight stabilization of the packaged flower. This guide suggests means by which the purveyor of transportation of cannabis/hemp can meet those specifications.

1.1.1 This standard does not apply to frozen cannabis/hemp.

1.1.2 This standard does not apply to cannabis/hemp intended for extraction.

1.2 This standard applies to controlling the environment surrounding packaged cannabis/hemp flower in transit, either within the package itself or in the environment surrounding the package, or both.

1.3 This standard is to be followed by licensed operators in the cannabis/hemp space who move the packaged crop(s) through the distribution supply chain to another licensed operator or to the end user.

1.4 Purveyors of cannabis/hemp flower include, but are not necessarily limited to: the packager, transportation companies, warehousing operations, and retail operations.

1.5 Security of the packaged cannabis/hemp flower while in transit is not within the scope of this standard.

1.6 This standard is intended to remain valid until ownership of the packaged cannabis/hemp flower is transferred to another licensed operator or to the final consumer.

1.7 Authorities having jurisdiction may have additional or alternate requirements which shall take precedence or supersede this standard.

1.8 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.9 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

D8196 Practice for Determination of Water Activity (a_w) in Cannabis Flower

D8197 Specification for Maintaining Acceptable Water Activity (a_w) Range (0.55 to 0.65) for Dry Cannabis Flower Intended for Human/Animal Use

D8233 Guide for Packaging and Labeling of Consumer Resin Cannabis Products for Sale to Adult Consumers, Legally Authorized Medical Users, and Caregivers in a Business-to-Consumer Retail Environment (Retailers)

D8270 Terminology Relating to Cannabis

D8309 Guide for Stability Testing of Cannabis-Based Products

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.