

Tech Tip 0005 - Reference Standards General Instructions



ChromaDex Reference Standards are sold for laboratory use only and are NOT intended for human consumption. The information contained herein is applicable solely to the chemical substance when used as a reference standard and does not necessarily relate to any other use of the substance described (for example at different concentrations, in drug dosage forms, or in bulk quantities). Reference Standards are intended for use by persons having technical skill, and at their own discretion and risk. Please ensure that all

safety protocols are met as per the reference standards Safety Data Sheets (SDS) for proper handling of reference standards, please consult your organization's SOPs.

Choosing the correct reference standard is essential to the success of your quality management program or research project. ChromaDex offers three different product grades to suit your technical needs. These product grades are differentiated by the level of characterization and testing performed and reported on ChromaDex's Certificate of Analysis (CoA). Please reference Tech Tip 0001 - Reference Standards Product Grades for additional information about reference standard product grades.

The directions for storage and use are on the label of each reference standard and stated on the accompanying ChromaDex Certificate of Analysis and Safety Data Sheet. These directions can be lot-specific and take precedence over any other indications. The label includes safety warnings and calculation values for standards with quantitative applications. For calibrators, acceptance ranges are determined by the customer's quality criteria. Where necessary, reference standards are shipped with additional technical data sheets. After expiry, discard remaining reference standards. Please reference Tech Tip 0012 - Shipping and Storage Conditions for additional information.

Please consult with your Certificate of Analysis and Safety Data Sheet for preparing a working standard and system suitability standard solution. Keep all reference standard vials at recommended storage conditions. Ensure that reference standard substances are accurately weighed—taking into account relatively large errors potentially associated with weighing small masses—where it is directed that a standard solution or a standard preparation be prepared for a quantitative determination. Please reference Tech Tip 0003: Reference Standard Recovery and Dilution for additional information

If you need any further assistance, please feel free to reach out to your ChromaDex Representative.