

## What are the Maximum Field Lengths in Millennium<sup>®32</sup>?

Millennium<sup>32</sup> allows you to enter values into a large number of pre-defined fields of different types. The user You can also define custom fields for data entry. The following table lists the maximum and minimum field lengths in Millennium<sup>32</sup> Versions 3.20 and 4.0 for the different field types, lists restricted characters and special considerations, and detail error warnings and other behaviors.

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Annotation Text Object		Unlimited number of alphanumeric characters	Spaces included	Press <b>Ctrl+Enter</b> to force the text onto multiple lines if desired.  You can enter an unlimited number of characters. However, only the characters that fit within the report group boundaries and the report margins are displayed.
Comments	Cloning Projects, Saving Methods, Revisions, Wizards	249 alphanumeric characters	Spaces included	You can only enter the maximum number of characters into the Name field. There is no warning tone or error message.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.  Press <b>Ctrl+Enter</b> to force the text onto multiple lines if desired.
Comments	Custom Fields	227 alphanumeric characters	Spaces included	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.
Custom Field Width		User-specified maximum number of alphanumeric characters including the decimal point and sign if applicable  Valid entries: Text: 1 to 249 Formula: 1 to 249 Integer: 1 to 10 Real: 1 to 15	Default values: Integer: 8 Real: 12 Booelan/Enum: 30 Text:20	If you enter less than the minimum or greater than the maximum number of characters for the width of a custom text field, the following error message appears when you try to accept the width value, and you are given a chance to correct the text width value.  <code>Please enter a value between 1 and 249 for this item.</code>

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Default String		249 alphanumeric characters	Spaces included	<p>You can only enter the maximum number of characters into the Name field. There is no warning tone or error message.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>Press <b>Ctrl+Enter</b> to force the text onto multiple lines if desired.</p> <p>The maximum field lengths of the specific field category will take precedence even if you enter as many as 249 characters into the field.</p>
Description	Channel, Solvent	249 alphanumeric characters	Spaces included	<p>You can only enter the maximum number of characters into the Name field. There is no warning tone or error message.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>Press <b>Ctrl+Enter</b> to force the text onto multiple lines if desired.</p>
Description	Column	18 alphanumeric characters	Spaces included	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>
Filename	Export (Root)	32 alphanumeric characters <b>Note:</b> Four additional characters (the ID from the database) are automatically added to the end of the filename	Spaces included File names cannot include: forward slash (/), backslash (\), greater than sign (>), less than sign (<), asterisk (*), question mark (?), pipe ( ), quotation mark ("), or colon (:)	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.</p> <p>If the filename contains illegal characters, the following error message appears when you try to accept the name, and you are given a chance to correct the filename:</p> <p>The root filename of XXXX that was specified for the filed/table exports contains one or more of the following characters: * / ? \ : " &lt; &gt; which are invalid in a filename. Please retype a valid file name.</p>

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Filename	Library, Spectra	59 alphanumeric characters  <b>Note:</b> File extension characters are automatically added to the end of the filename	Spaces included  File names cannot include: forward slash (/), backslash (\), greater than sign (>), less than sign (<), asterisk (*), question mark (?), pipe ( ), quotation mark ("), or colon (:)	You can enter more than the maximum number of characters into the field, but only the maximum number of characters is retained by Millennium. There is no warning tone or error message.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.  If the filename contains illegal characters, the following error message appears when you try to accept the name, and you are given a chance to correct the filename.  XXXX The above filename is invalid.
Label	Component, Level	30 alphanumeric characters	Must be unique  Only special characters allowed are dash (-) and underscore ( _ )	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.  If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.
Label	Field Report Group	Unlimited number of alphanumeric characters	Spaces included	Press <b>Ctrl+Enter</b> to force the text onto multiple lines if desired.  You can enter an unlimited number of characters. However, only the characters that fit within the report group boundaries and the report margins are displayed.
Label	Summary Plot	249 alphanumeric characters	Spaces included	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.
Label	Open Access Properties	24 alphanumeric characters	None	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.  Insert a single ampersand (&) character to assign a keyboard shortcut command to the character immediately following the ampersand in the label.

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Level	Default Amounts Table	30 alphanumeric characters	None	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>
Name	Clone Project	30 alphanumeric characters (prefix plus base seed plus suffix)	<p>No spaces</p> <p>Must start with a letter</p> <p>Only special character allowed is underscore ( _ )</p> <p>Last character of prefix and/or suffix must be a number, or a letter if you are cloning more than one copy of project</p>	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.</p> <p>If the name does not begin with a letter, the following error message appears when you try to accept it, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">Name must start with a letter.</p> <p>If the number of characters in the prefix plus the base seed name plus the suffix exceeds the maximum length, the following error message appears when you try to accept the name, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">The base project name is too big to allow the addition of the necessary prefixes and/or suffixes. Please shorten the base name and try again.</p> <p>When cloning more than one copy of a project, if the last character of the prefix and/or suffix is not a number or a letter, the following error message appears when you accept the name:</p> <p style="padding-left: 40px;">The characters ` _!#\$ ` cannot be used as the last prefix or suffix characters when cloning more than one copy of a project.</p> <p><b>Note:</b> Despite the above error message, the only accepted special character is an underscore ( _ ).</p>
Name	Component	30 alphanumeric characters	<p>Spaces included</p> <p>Must be unique</p>	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Name	Custom Field	29 alphanumeric characters	No spaces Only special character allowed is underscore ( _ ) Must start with a letter Name cannot be a Millennium reserved database word or a database keyword	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted. If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message. If you try to enter a restricted character, a warning tone will sound and the character will not be accepted. If the name does not begin with a letter, the following error message appears when you try to accept it, and you are given a chance to correct it: Name must start with a letter.
Name	Derived Channel	30 alphanumeric characters	Spaces included Only special character allowed is underscore ( _ )	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted. If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message. If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.
Name	Export Method, Instrument Method, Method Set, Processing Method, Report Group, System, Sample Set Method, Sample Set Method Template, View Filter	30 alphanumeric characters	Spaces included Only special characters allowed are ampersand (@), percent sign (%), and underscore ( _ )	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted. If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message. If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.
Name	Limit (System Suitability)	249 alphanumeric characters		If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted. If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Name	Named Group, Timed Group	30 alphanumeric characters	Spaces included	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>
Name	Plate Type	31 alphanumeric characters	Spaces included	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>
Name	Project	30 alphanumeric characters	No spaces  Must start with a letter  Only special character allowed is underscore ( _ )	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.</p> <p>If the name does not begin with a letter, the following error message appears when you try to accept it, and you are given a chance to correct it:                       Name must start with a letter.</p>
Name	Report Plot Field	249 alphanumeric characters	Spaces included	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>
Name	Spectral Library, Spectrum	249 alphanumeric characters	Spaces included  Must be unique	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p>

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Name	Tune	100 alphanumeric characters  <b>Note:</b> More characters can be entered and accepted. However, the name will not be visible in the list of existing Tune Names.	Spaces included  File names cannot include: forward slash (/), backslash (\), greater than sign (>), less than sign (<), asterisk (*), question mark (?), pipe ( ), quotation mark ("), or colon (:)	You can only enter the maximum number of characters into the Name field. There is no warning tone or error message.  If the filename contains illegal characters, the following error message appears when you try to accept the name, and you are given a chance to correct the filename.  XXXX The above filename is invalid.  Entering an asterisk (*) for the filename acts as a wildcard and results in a list of all existing Tune Names.
Name	User Group	30 alphanumeric characters	No spaces  Only special character allowed is underscore ( _ )	If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.  If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.  If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.
Password	Acquisition Server, Chromatographic System, Message Center, Open Access Properties, Oracle Database	1-30 alphanumeric characters	Spaces included	You can enter more than the maximum number of characters into the field, but only the maximum number of characters is retained by Millennium. There is no warning tone or error message.
Password	Millennium Properties	4-30 alphanumeric characters	Spaces included	You can enter more than the maximum number of characters into the field, but only the maximum number of characters is retained by Millennium. There is no warning tone or error message.  If you enter less than the minimum or greater than the maximum number of characters, the following error appears when you try to accept the name, and you are given a chance to correct it:  Passwords must be greater than 4 and less than 30 characters in length.

Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
Password	User	4-30 alphanumeric characters	Spaces included	<p>You can enter more than the maximum number of characters into the field, but only the maximum number of characters is retained by Millennium. There is no warning tone or error message.</p> <p>If you enter less than the minimum length, the following error appears when you try to accept the name, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">A valid password must contain at least 4 characters.</p> <p>When changing a password on the User Properties General tab, if you enter less than the minimum length in User Properties, the following error appears when you try to accept the name, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">Password should meet the system policy minimum length of x.</p>
Reason	Signoff	1-219 alphanumeric characters	Spaces included	<p>If you enter less than the minimum or greater than the maximum number of characters for the reason string, the following error message appears when you try to accept the reason, and you are given a chance to correct the string:</p> <p style="padding-left: 40px;">The reason string 'xxxxxxxxxx' is not valid. The reason must not be empty or longer than 219 characters.</p>
SampleName		32 alphanumeric characters (prefix plus base plus suffix)	<p>No spaces</p> <p>Must start with a letter</p> <p>Only special character allowed is underscore ( _ )</p> <p>Last character of prefix and/or suffix must be a number or a letter if you are cloning more than one copy of project</p>	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>If the number of characters in the prefix plus the base identifier plus the suffix exceeds the maximum length, the following error message appears when you try to accept the name, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">Prefix plus base plus suffix cannot exceed 20 characters in length.</p> <p>If the component name suffix does not end in a digit or a letter, the following error message appears when you try to accept the name, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">Last character must be a digit or letter.</p>



Field Type	Sub Type	Length	Restrictions/ Considerations	Notes
User Name		4-30 alphanumeric characters	No spaces Only special character allowed is underscore ( _ )	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.</p> <p>You can enter more than the maximum number of characters into the field, but only the maximum number of characters is retained by Millennium. There is no warning tone or error message.</p> <p>If you enter less than the minimum or greater than the maximum number of characters, the following error message appears when you try to accept the name, and you are given a chance to correct it:</p> <p style="padding-left: 40px;">User name must be between 4 and 30 characters.</p>
User Type		30 alphanumeric characters	No spaces Only special character allowed is underscore ( _ )	<p>If you try to enter more than the maximum number of characters, a warning tone will sound and the character will not be accepted.</p> <p>If you try to paste more than the maximum number of characters into the Name field, the software truncates the Name to the maximum field length. There is no warning tone or error message.</p> <p>If you try to enter a restricted character, a warning tone will sound and the character will not be accepted.</p>