

# Wine Authenticity-NMR Project

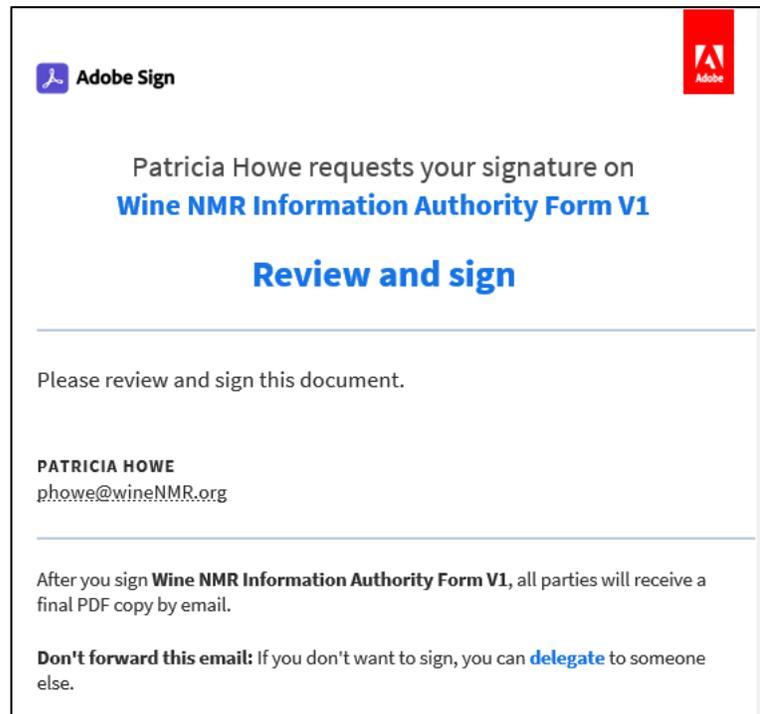
[Video: How to participate instructions](#)

[Video: How to enter data into spreadsheet](#)

Enrolling in the program

# First Step- initial contact information

- Send an email to [PHOWE@WineNMR.org](mailto:PHOWE@WineNMR.org) expressing interest.
  - In response, you will get the *first* of two emails:
    - Email #1: An Adobe Sign email asking for information
      - Click **Review and sign** and fill in the blue blanks. Adobe will magically finish the process.



Adobe Sign

Patricia Howe requests your signature on  
**Wine NMR Information Authority Form V1**

**Review and sign**

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Please review and sign this document.

**PATRICIA HOWE**  
phowe@wineNMR.org

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After you sign **Wine NMR Information Authority Form V1**, all parties will receive a final PDF copy by email.

**Don't forward this email:** If you don't want to sign, you can **delegate** to someone else.



By signing below, you represent and agree that:

- You represent to the best of your ability that the information you provide to the Wine Authenticity-NMR Project, or otherwise communicate with us, is accurate.
- You have the authority to provide the requested information to Wine Authenticity - NMR Project as a representative of your company.
- You have the authority to provide the wine samples to Wine Authenticity - NMR Project as a representative of your company.

Name:  Date:

email:  Phone:

Signature:

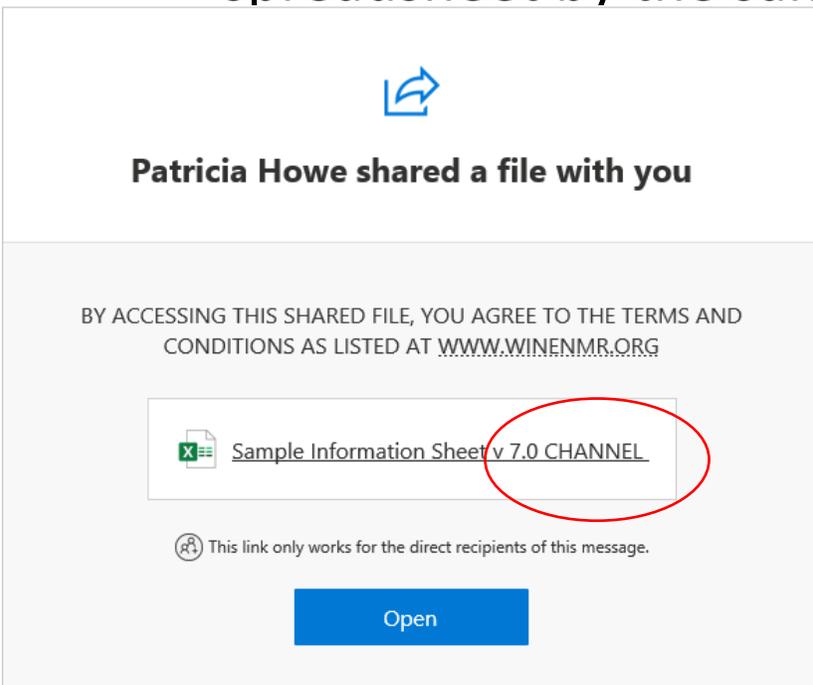
# Second step -Code word & spreadsheet access

- Once the Adobe document is signed, a *second* email will be sent to you.
  - Email #2: an invitation to a shared file
- You will have been assigned a 7 letter “code word” and issued your own sample spreadsheet by the sample administrator.

- In this example, the code word is “CHANNEL”

- When you click on Open, you will need to confirm your email address in a two-step authorization
  - CHECK YOUR SPAM FOLDER for your activation
  - If more than one person in your organization needs to access the same spreadsheet, please notify [phowe@winenmr.org](mailto:phowe@winenmr.org) with their names and email addresses for additional log ins.

- **You are now ready to provide data and samples**



# Sample Data & Sample Prep Information

# Sample Data spreadsheet- overview

TASTING  LABEL 50 ML TUBE WITH THIS SAMPLE ID  <i>total Example - client - "excel data"</i>	=CLIENT LABEL CODE  Date Samples Logged on Datasheet  <i>(m/d/yyyy)</i>	Current Qualifications for Project		Primary metadata for NMR database		Secondary metadata for NMR database (Collected to help understand and explain variability, not for reporting)				Facility ID (Name/location) where sample was taken from traceability and characterization of database (count of unique contributors). Kept Confidential	Admin
		Is the sample >95% of one varietal?  <i>95%</i>	Is the sample sugar level less than 5 g/L (or <0.5% sugar)  <i>less than 5 g/L sugar</i>	Which Varietal, and does it qualify for this stage of the project?  <i>(initially only 10 varieties)</i>	Which appellation or AYA does the sample meet? (Choose the most specific. The NMR Database will use the LEAST specific possible)  <i>Country - State (CA, WA, OR, NY) - Multicounty AYA - County - Within County AYA</i>	Is the sample non vintage (NV), or is it >95% from a >95%  <i>&gt;95%</i>	Is the sample the product of research or small lot winemaking vs of a commercial scale?  <i>Commercial or Non commercial</i>	What Vine Condition or Processing Stage is the sample?  <i>Finished, Late Stage, Early/Mid stage</i>	Do you consider this wine to be a rose/blush (if from red grapes) or orange (if from white grapes)?  <i>Skin contact process unique to style</i>	Facility ID (Name/location) from which sample was taken  <i>CONFIDENTIAL Collected only to generate a count of TOTAL UNIQUE FACILITIES</i>	Data Collated and Sample Received by Admin
1- TASTING - 44386	7/8/2021	Yes - Qualified	Yes - Acceptable	Petite Sirah - Qualified	USA - CA - Central Coast AYA and San Francisco Bay AYA - Alameda County - Livermore Valley AYA	2019	Commercial Scale typical for facility	2- End of Processing - Bottle Ready - Winemaking and Aging nearly complete		MONO VERDE IMPORTS LLC - 1951 MONARCH ST STE 300 - ALAMEDA CA	No

- You will need to fill out the blue, orange, yellow, and pink sections, a total of nine questions
  - The spreadsheet has autofill functions that make this a very rapid process.
  - We will go over spreadsheet data entry in greater detail in a separate video.
- You do not access the grey sections.
- Once you begin to enter data on a line, the left (grey) column will assign a *temporary sample ID number* and the next (grey) column will record the *date that the information was entered*.
- You will label your sample with the *temporary sample ID number*
  - Your sample ID is in the form of sequential number – client code word – “date”
  - Example: 5- TASTING – 44835
    - Fifth sample from Client TASTING from excel date 10/1/2022 (in general number format)

# Sampling with ETS tubes and labels



**ETS**

Client #: ~~\_\_\_\_\_~~ **WINE NMR is Client**

Client: **WINE NMR**

Sample ID: **5- TASTING - 44835**

Use blank forms

Use Temp Sample ID

<input type="checkbox"/> <b>Chem Panel:</b>	<input type="checkbox"/> <b>Cold Stability</b>	<input type="checkbox"/> <b>Scorpions</b>
<input type="checkbox"/> FSO2	<input type="checkbox"/> KCP	<input type="checkbox"/> Combined:
<input type="checkbox"/> TSO2	<input type="checkbox"/> Con/Davis	<input type="checkbox"/> Bacteria
<input type="checkbox"/> TA	<input type="checkbox"/> DIT	<input type="checkbox"/> Yeast
<input type="checkbox"/> pH	<input type="checkbox"/> ISTC50	<input type="checkbox"/> <b>Plating</b>
<input type="checkbox"/> VA	<input type="checkbox"/> <b>Heat Stability</b>	<input type="checkbox"/> Bottle Sterility
<input type="checkbox"/> Glu + Fru	<input type="checkbox"/> Check	<input type="checkbox"/> Direct
<input type="checkbox"/> Malic Acid	<input type="checkbox"/> Trial	or <input type="checkbox"/> Filtration
<input type="checkbox"/> Ethanol	<input type="checkbox"/> <b>Smoke Markers</b>	<input type="checkbox"/> Yeast
<input type="checkbox"/> Rapid Phen	<input type="checkbox"/> Volatile Basic	<input type="checkbox"/> Bacteria
<input type="checkbox"/> 4ep/4eg	<input type="checkbox"/> Volatile Ext	<input type="checkbox"/> <b>Export:</b>
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Glycosylated	_____

- Use a standard ETS sample tube
- Use blank ETS labels, or otherwise *make sure* the labels you are using do not reveal your winery or client number.
- Use “WINE NMR” for the client name (not your winery!)
- Enter the temporary sample ID from your spreadsheet for the sample ID
- Use your standard method to get samples to an ETS location (drop off, courier, or mail).
  - Locations: <https://www.etslabs.com/contact?jump=laboratory-locations>
  - Alternatively contact the administrator to see if committee members can assist

# Sampling with alternative tubes and labels



Label the tube *with only two pieces* of information  
“Wine NMR” and the sample code

- Use any leakproof 50-60 mL sample tube
  - 50 mL centrifuge tube- confirm leakproof.
- Label the tube with indelible marker, a smearproof label, or a firmly attached sticker
- Include only these two pieces of information on any label:
  1. WineNMR (*this informs ETS that this is the project*)
  2. Sample ID code
- Use any standard method to get samples to any ETS location (drop off, courier, or mail).
  - Locations:  
<https://www.etslabs.com/contact?jump=laboratory-locations>
  - Alternatively contact the administrator to see if committee members can assist



# Sample processing and data overview

TASTING	=CLIENT LABEL CODE	Current Qualifications for Project		Primary metadata for NMR database		Secondary metadata for NMR database (Collected to help understand and explain variability, not for reporting)				Facility ID (Name/location) where sample was taken from traceability and characterization of database (count of unique contributors). Kept Confidential	Admin
		Date Samples Logged on Database	Is the sample >95% of one varietal?	Is the sample sugar level less than 5 g/L (or <0.5% sugar)	Which Varietal, and does it qualify for this stage of the project?	Which appellation or AYA does the sample meet? (Choose the most specific. The NMR Database will use the LEAST specific possible)	Is the sample non vintage (NV), or is it > 95% from a	Is the sample the product of research or small lot winemaking vs of a commercial scale?	What Vine Condition or Processing Stage is the sample?	Do you consider this wine to be a rose/blush (if from red grapes) or orange (if from white grapes)?	Facility ID (Name/location) from which sample was taken
<p><i>total samples - client - "excel data"</i></p> <p><b>LABEL 50 ML TUBE WITH THIS SAMPLE ID</b></p> <p><i>(initial g)</i></p> <p><i>&gt; 95%</i>    <i>less than 5 g/L sugar</i>    <i>(initially only 10 varieties)</i>    <i>Country - State (CA, WA, OR, NY) - Multicounty AYA - County - Within County AYA</i>    <i>&gt; 95%</i>    <i>Commercial or Non commercial</i>    <i>Finished, Late Stage, Early/Mid stage</i>    <i>Skin contact process unique to style</i>    <i>CONFIDENTIAL Collected only to generate a count of TOTAL UNIQUE FACILITIES</i></p> <p><b>ATTENTION! MAKE SURE YOU HAVE SCROLLED TO THE TOP OF THE SPREADSHEET BEFORE ENTERING DATA</b></p>											
1- TASTING - 44386	7/8/2021	Yes - Qualified	Yes - Acceptable	Petite Sirah - Qualified	USA - CA - Central Coast AYA and San Francisco Bay AYA - Alameda County - Livermore Valley AYA	2019	Commercial Scale typical for facility	2- End of Processing - Bottle Ready - Winemaking and Aging nearly complete		MONO VERDE IMPORTS LLC - 1951 MONARCH ST STE 300 - ALAMEDA CA	No

- When Wine NMR samples arrive at ETS they are set aside for the WineNMR administrator
- The administrator recodes (double blinds) the samples, and they are logged into the ETS system with this new sample code
- The sample metadata (excluding the pink section) is copied to a different location and combined with all the other sample information, using only the new double blinded code for each sample id
- The sample administrator then makes a notation on the client spreadsheet that the sample and data have been received and collected.
- At the end, we have a combined master metadata spreadsheet which can **link the information** to the instrumental NMR spectral data but **cannot be traced** to the donating clients except by the administrator.

# The spreadsheet- Both Traceable *and* Confidential

- Only the WineNMR administrator can trace the final, analyzed sample backwards to the contributing client.
- Only the temporary Code Word links the sample to the client, and only the Administrator will recode the temporary ID to the final identification.
- This traceability is maintained in case there is a problem with the sample.
- This information is protected by the Wine Authenticity-NMR Project and the Wine Institute

# How to enter sample information

- Watch the separate video on how to enter data on the unique client excel spreadsheet.