Divider type & Id No.:			Date:		Analyst:				Divider Verification				
Using 1000g wheat with 40 buckwheat added									Analyst Validation				
					Balance ID No.:								
Weight per side (allowed difference 5% of combined side A + side B weight)									Other seed count per side (40 added expected 20 per side, allowed range 12 to 28)				
Starting weight	Left or Side A	Right or Side B	Combined A+B weight	Is starting weight and combined A+B weight within 2g?	Difference of weights side A-B	Allowed difference +/- 5% of combined weight (A+B)	Within allowed range		Left or Side A	Right or Side B	Combined A+ B count	Does Side A + Side B count equal 40?	Within allowed range
1010.3	489.2	520.9	1010.1	YES	-31.7	50.51	YES		22	18	40	YES	YES
1010.3	500	510.3	1010.3	YES	-10.3	50.52	YES		21	19	40	YES	YES
1010.2	472.9	537.3	1010.2	YES	-64.4	50.51	NO		22	18	40	YES	YES
1010.2	501.4	508.9	1010.3	YES	-7.5	50.52	YES		17	23	40	YES	YES
1010.3	500.3	509.9	1010.2	YES	-9.6	50.51	YES		21	19	40	YES	YES
1010.2	491.6	518.6	1010.2	YES	-27	50.51	YES		29	11	40	YES	NO
1010.3	483.8	526.5	1010.3	YES	-42.7	50.52	YES		26	14	40	YES	YES
1010.3	482.1	528.2	1010.3	YES	-46.1	50.52	YES		17	23	40	YES	YES
1010.3	476	534.2	1010.2	YES	-58.2	50.51	NO		25	15	40	YES	YES
1010.1	487.9	522.4	1010.3	YES	-34.5	50.52	YES		21	19	40	YES	YES
Average					-33.2	50.515							
For both weight and number values determined are 8 /10 paired values within allowed ranges?										NOT APPROVED			
If yes then analyst or divider approved.										APPROVED			
Reviewed by:						Analyst Signature						Date	

Analyst validated authorized by: **Date:**

Divider authorized fit for use by: **Date:**

How to fill in worksheet:

Divider type & Id No.: State the type of divider e.g. Riffle and whatever unique number you have assigned to your equipment
Date: Date you have started this verification process
Analyst: Name of analyst you are validating OR name of analyst that is being used to verify the unit
Divider verification: Check this box if you are using the data to verify the unit
Analyst validation: Check this box if you are using the data to validate the analyst
Balance: Whatever unique number you have assigned to the balance that will be used to collect the data on this worksheet
Using 1000g Common wheat with 40 Common buckwheat seeds added: (You can choose another crop kind and impurities.
However the crop kind chosen and the impurities added must a different size and shape.
Weight per side (allowed difference 5% of combined side A + side B weight): This is giving the direction of column G calculations
Other seed count per side (40 added expected 20 per side, allowed range 12 to 28): .
Taken from Miles Handbook of Tolerances and of Measures of Precision for Seed Testing as a guideline

To verify a divider, use this part of the worksheet
Starting weight: Weigh each starting weight and record.
Mix and divide three times and record **Left or Side A:** weight and
Right or Side B weight.
Combined A+B weight: calculate the combined weight
Is starting weight and combined A+B weight within 2g?: Answer question with Yes or No. Decide how many "No" would be acceptable.
Difference of weights side A-B: record the difference between column B & C
Allowed difference +/- 5% of combined weight (A+B): Calculate 5% of column A
Within allowed range: Is column F figure lower than column G? "Yes" or "No" define acceptable number of yes and no answers, e.g. 8 out of 10 to pass

To validate an analyst, use this part of the worksheet
Left or Side A: Count left side for impurities
Right or Side B: Count right side for impurities
Combined A+ B count: calculate, should add up to number of impurities placed into the crop kind, e.g. 40 common buckwheat.
Does Side A + Side B count equal 40?: Answer question with Yes or No. Decide what to do if calculations don't add up to 40.
Within allowed range: According to Miles Tolerance Table F3 this is 12 - 29. We use 12 - 28 which confines the range to a total of 40.

For both weight and number values determined are 8 /10 paired values within allowed ranges?: Check data for information
If yes then analyst or divider approved: If data is approved. Circle APPROVED. If data is not approved. Circle NOT APPROVED
Reviewed by: Authorizing authority reviews data and signs the controlled record. (If data is transferred from a rough copy to a excel spreadsheet programmed to conduct the calculations the rough copy data and the hardcopy or electronic copy should be reviewed for accuracy)
Analyst Signature: Analyst signs controlled record
Date: Date of authorization to test approved for analyst.
Analyst validated authorized by: Authorizing authority signature for Analyst validation
Divider authorized fit for use by: Authorizing authority signature for Divider verification

Keep rough and final copy of this worksheet attached and on file.
Remember: Spreadsheet or any program that is conducting calculations must be validated. Keep ALL records of validation on file.

Preparation of the sample

The verification sample can be prepared each time the lab conducts this activity or it can be retained. For the preparation of the sample, ensure that all extraneous material is removed. Add the contaminant species.

If the lab retains the verification sample it is recommended that it be keep in a glass container that can be closed securely, e.g. a sealer or similar container. It should be clearly labelled. Prior to using it should be check for deterioration, insect contamination, etc.

Equilibrate the sample by removing the lid placing a screen over top of the opening and leave overnight.