

WINDE Vibe QM3 Grain Analyzer

SUNFLOWER Phenotyping



- ✓ Absolute color characterization in Lab and RGB scales
- ✓ Grains counting
- ✓ Broken grains detection (%)
- √ 1,000 grains weight
- ✓ Grain and sample level dimensions and statistics:
 - Length
 - Width
 - Area
 - Length to Width ratio
- ✓ Color recognition:
 - Normal range
 - Damages
 - Abnormal colors
- ✓ Seeds grouping by size
- ✓ Results stored in Excel and SCV files for for traceability and further analysis

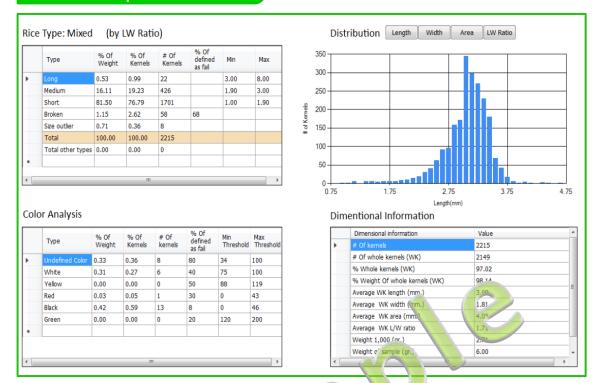
Additional Information

- ✓ Sample weight- up to 22 grams (~600 grains)
- √ 20 seconds analysis time
- √ 25 micron measurement accuracy
- ✓ 240 X 170 mm (9.5" X 6.7") Inspection area
- ✓ Advanced algorithm for high density sample.
- √ 3,000 color pixels per grain
- ✓ High resolution industrial grade camera
- ✓ No minimum sample size

Contact us: www.vibeia.com support@vibeia.com



User Main Report



Statistical Report Per Sample

21 OutlierWeightPerc

22 OutlierKernelsPerc

24 OutlierThresholdWidth

25 OutlierThresholdLength

26 OutlierThresholdArea

27 OutlierThresholdLW

28 SampleWidthAverage

29 SampleWidthMedian

30 SampleWidthSTDEV

31 SampleLengthAverage

23 OutlierNumber

1.861467

2.979684

2.692867

4.152913

6.988145

2.603892

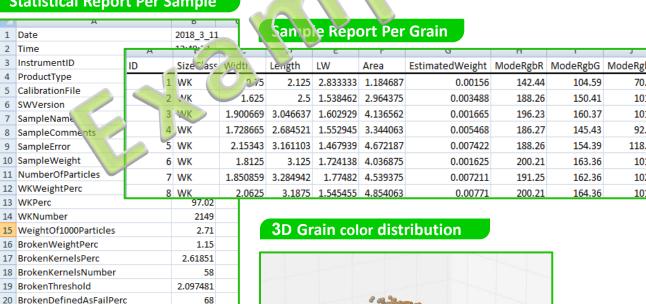
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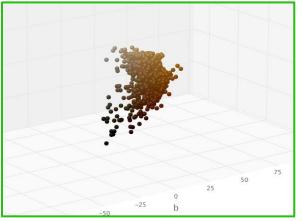
1.840562

0.288652

3.053979

8





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