



Report of Analyses

Report Date: 11/01/2023

Customer: Golden Leaf Farms
125 Mccaskil Rd.
Carthage, NC 28327

Global Laboratory Services

2107 Black Creek Road
Wilson, NC 27893

P.O. Box 309
Wilson, NC 27894-0309

Telephone: 252-234-4950

Fax: 252-234-4959

www.globallaboratory.com

Requestor: McLeod, Martin

Sample No. 11572_23
Grade GL077
Packing Date 10/07/2023
Crop Year 2022
Container Nos.

Received Date 10/11/2023
Project GOLDEN-101023-01170
Tobacco Type: FC
Product Type: Cut Rag

Comments:

Total Alkaloids, Reducing Sugars, Total Sugars and Moisture

	<u>Limit of Quantitation</u>	<u>Found*</u>	<u>Test Date</u>
Moisture	0.000 %	13.27 %	10-20-2023
Total Alkaloid (As Is)	0.400 % w/w	1.32 % w/w	10-26-2023
Total Alkaloid (DWB)	0.400 % w/w	1.52 % w/w	10-26-2023
Total Sugars (As Is)	2.000 % w/w	5.91 % w/w	10-26-2023
Total Sguars (DWB)	2.000 % w/w	6.81 % w/w	10-26-2023
Reducing Sugars (As Is)	2.000 % w/w	5.33 % w/w	10-26-2023
Reducing Sugars (DWB)	2.000 % w/w	6.15 % w/w	10-26-2023

Sample No. 11573_23
Grade GL002
Packing Date 10/07/2023
Crop Year 2022
Container Nos.

Received Date 10/11/2023
Project GOLDEN-101023-01170
Tobacco Type: FC
Product Type: Cut Rag

Comments:

Total Alkaloids, Reducing Sugars, Total Sugars and Moisture

	<u>Limit of Quantitation</u>	<u>Found*</u>	<u>Test Date</u>
Moisture	0.000 %	12.64 %	10-20-2023
Total Alkaloid (As Is)	0.400 % w/w	1.62 % w/w	10-26-2023
Total Alkaloid (DWB)	0.400 % w/w	1.85 % w/w	10-26-2023
Total Sugars (As Is)	2.000 % w/w	5.65 % w/w	10-26-2023
Total Sguars (DWB)	2.000 % w/w	6.47 % w/w	10-26-2023
Reducing Sugars (As Is)	2.000 % w/w	5.30 % w/w	10-26-2023
Reducing Sugars (DWB)	2.000 % w/w	6.07 % w/w	10-26-2023

*BQL = Below Quantitation Limit, nd = not detected, d = detected

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Sample No. 11574_23
Grade GL071
Packing Date 10/07/2023
Crop Year 2022
Container Nos.

Received Date 10/11/2023
Project GOLDEN-101023-01170
Tobacco Type: FC
Product Type: Cut Rag

Comments:

Total Alkaloids, Reducing Sugars, Total Sugars and Moisture

	<u>Limit of Quantitation</u>	<u>Found*</u>	<u>Test Date</u>
Moisture	0.000 %	13.44 %	10-20-2023
Total Alkaloid (As Is)	0.400 % w/w	1.70 % w/w	10-26-2023
Total Alkaloid (DWB)	0.400 % w/w	1.96 % w/w	10-26-2023
Total Sugars (As Is)	2.000 % w/w	8.06 % w/w	10-26-2023
Total Sguars (DWB)	2.000 % w/w	9.31 % w/w	10-26-2023
Reducing Sugars (As Is)	2.000 % w/w	7.57 % w/w	10-26-2023
Reducing Sugars (DWB)	2.000 % w/w	8.75 % w/w	10-26-2023

Sample No. 11575_23
Grade GL065
Packing Date 10/07/2023
Crop Year 2022
Container Nos.

Received Date 10/11/2023
Project GOLDEN-101023-01170
Tobacco Type: FC
Product Type: Cut Rag

Comments:

Total Alkaloids, Reducing Sugars, Total Sugars and Moisture

	<u>Limit of Quantitation</u>	<u>Found*</u>	<u>Test Date</u>
Moisture	0.000 %	12.45 %	10-20-2023
Total Alkaloid (As Is)	0.400 % w/w	2.16 % w/w	10-26-2023
Total Alkaloid (DWB)	0.400 % w/w	2.47 % w/w	10-26-2023
Total Sugars (As Is)	2.000 % w/w	8.85 % w/w	10-26-2023
Total Sguars (DWB)	2.000 % w/w	10.11 % w/w	10-26-2023
Reducing Sugars (As Is)	2.000 % w/w	8.52 % w/w	10-26-2023
Reducing Sugars (DWB)	2.000 % w/w	9.73 % w/w	10-26-2023

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Cert. 2513.01

- Note: 1. Percent Total Volatile Bases as Ammonia
2. Ratio of Nicotine as Ammonia to Total Volatile Bases as Ammonia.
3. Percent Reducing Sugars - Before Inversion - as Dextrose.

ISO 17025 accredited.

Methods of Analysis

LP-801 Determination of Moisture

LP-514 Determination of Total Alkaloids

LP-512 Determination of Reducing Sugars and Total Sugars in
Tobacco by CFA (Ferricyanide)

Tyler Hartmann, Quality Control Associate

Zayra Mendez Ortiz, Quality Assurance Associate

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