



Q.C. METALLURGICAL LABORATORY INC.

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TEST REPORT

August 18, 2023

Customer: Holy City Straw Co.
125 Swanson St.
Ottawa, IL. 61350

To: Jason Trembley

Date Sample Arrived: 08/08/23

Date Tested: 8/17/23

Report Number: 48109

A2LA Accreditation: 1238-01, Expires 8/31/2023

Sample I.D.: See table

Test Location: QCML

Sample Condition: As received

Sampling Procedure: NA

Method Deviations: None

Material Specifications: EN 13432(2000)

P.O.#: NA

RESULTS:

Fluorine Analysis: ISE F⁻

Digestion: Oxygen Bomb Digestion

CKF Inc. Sample ID	Fluorine mg/kg	Fluorine Replicate mg/kg	Fluorine Average mg/kg	RPD%	MRL mg/kg	BPI Limits EN 13432 (mg/kg)	Analytical Method
Fork/Knife/Spoon	< 10.0	< 10.0	< 10.0	NA	10.0	<100	ASTM D1179

MRL – Method Reporting Limit

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All statements of conformance are based on criteria provided by the customer and are made using simple acceptance as the decision rule.

Accredited to
ISO/IEC 17025: 2017


NRC Compliant
10CFR Part 50, App B

IA & IL Certified
Lab Certification 084

Discussion:

Approximately one gram of sample was weighed and transferred to combustion capsules. The samples were then transferred into an oxygen bomb for oxygen combustion at 40 atm. Samples were allowed to cool and were then thoroughly rinsed into a volumetric flask with 5.0 ml of TISAB III solution and diluted to 100.0 ml. Resulting samples analyzed for fluoride using the method described by ASTM D1179.

This report shall not be reproduced except in full and the results only apply to the item(s) tested.


Todd Bloodsworth/Technician


Zahirul M Hoque, Metallurgical Engineer

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